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SATURN

DAHLIAS

OF
QUALITY AND DISTINCTION

PLANT VARIETY PROTECTION OFFICE
U. S. DEPARTMENT OF AGRICULTURE

DAHLIADEL
NURSERIES

WARREN W. MAYTROT

VINELAND,
N.J.

POTASH-FED
DAHLIAS

1942

DAHLIADEL 1942 INTRODUCTIONS

GUARANTEE—All Dahliadel Introductions bought from us are guaranteed to be satisfactory to you, and you are to be the judge whether they are worthy of a place in your garden. We have grown, watched, and scored all of these from one to three years. The fact that they did well last season, when many of our good standard varieties balked, makes them all the more reliable.

Credit will be issued for any variety proving unsatisfactory, good for Roots or Plants from the next year's catalog.

You cannot lose by trying Dahliadel new varieties this way. **Buy Dahlias with a Real Guarantee.** They prove themselves worthy or you select other stock.

We have such implicit faith in our customers and have so proven these varieties that we can afford to make this offer.



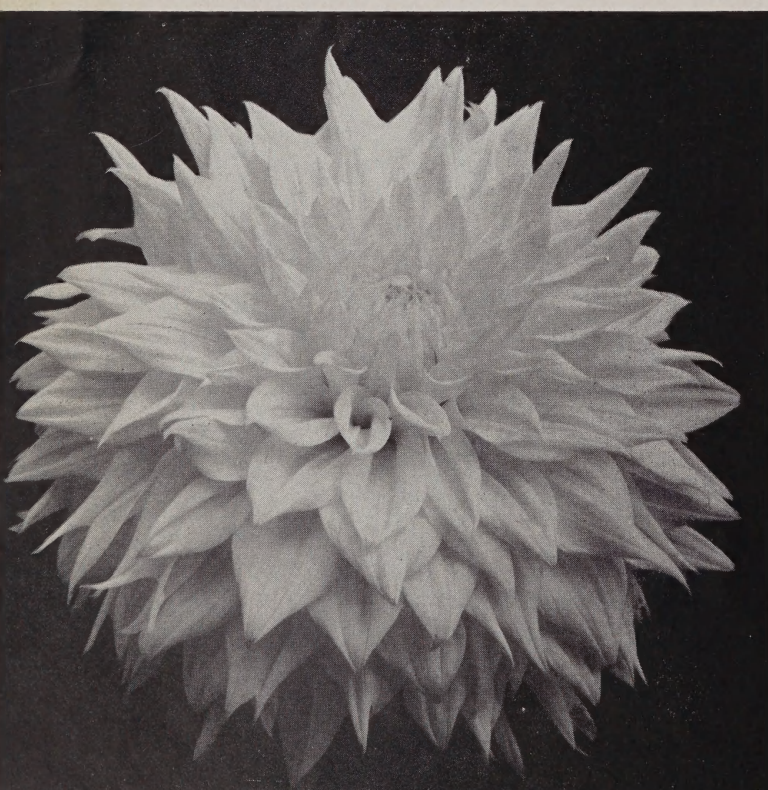
KING DAVID

KING DAVID (Corbett-Dahliadel 85A), Bloom 9 x 5, Bush 4½ ft. Outstanding with the regal color of this Formal purple is its ability to bloom early and continue throughout the season. It is by far the earliest of all the purples to date. All this without fading. Its beautiful rich purple inclined to violet purple brings it unquestionably into the purple class. Flowers are deep, well-formed, and of good substance. Stems are good. We feel sure that this purple will more than satisfy you either for the show table, the garden, or for cutting. Listed in the Futurity and Flower Grower Honor Roll. **Root, \$10.00; Pot Root, \$6.75; Plant, \$3.50.**

WHIRLAWAY (Pittman-Dahliadel 85A), Bloom 11 x 6, Bush 4½ ft. When a dahlia grows naturally nearly a foot across in field culture with good stems supporting the flower, you have a real contender for the largest bloom class. A clean shade of soft lemon yellow inclined to sulphur yellow with rich glossy green holly-like foliage. Full of vitality and a good root maker to boot. Watch for Whirlaway in the shows next season. Or better still, win with it yourself. Listed in House Beautiful and Flower Grower Honor Rolls.

Root, \$10.00; Plant, \$3.50

MOZART (Dahliadel), White Ball, see page 32.



WHIRLAWAY



ROOTS



POT ROOTS

PLANT



ROOTED CUTTING

FOUR WAYS TO BUY POTASH-FED DAHLIAS

MAYBE THIS WILL EXPLAIN THINGS

This, friends, is our annual literary effort. For 27 years it has been a task which has for its object the production of the best Dahlia Catalog of which we are capable. Midnight oil, a multitude of records, and painstaking thought all go into it.

We are naturally pleased by the reception of our previous issues. Even those who did not buy from us are kind enough to express appreciation, and at Flower Shows and Trial Gardens we note that many use it as a guide and reference book.

We are the largest Dahlia firm in the world. That does not prevent us, however, from being in closest personal touch with our customers and our stock. We must literally "eat, drink and sleep Dahlias" to do this.

May we wish you all a most successful season, and predict that the time you spend in your garden with your flowers will provide a most needed relief from the cares and worries of this war-torn world.

ROOTS

Dahlia roots are divisions of field-grown clumps of dahlias. Each root must contain at least one "eye" from which the plant grows. Sturdy plants and fine exhibition flowers grow from roots, and strong clumps harvested for the following season. As the planted root acts as a food storehouse for the growing plant, the growth of the plant is thus stabilized under adverse growing conditions.

POT ROOTS

Pot roots, as shown above in relative size to the average root, should not be judged adversely because of their size. Many experienced growers prefer pot roots. Pot roots are small clumps produced by plants grown mostly in 3" pots in the open during the late summer, and transferred in the Fall to greenhouses where they are grown under controlled conditions, and allowed to ripen naturally by the end of December.

We have for years used very many of them in our own plantings, and find them in every way satisfactory. Our customers have written us as to their fine behavior. Pot roots will produce bushes and flowers equal to roots and in many varieties even better clumps on digging.

We can afford to offer them at a lower price than roots because of their economy of handling and distribution.

In order that more of our customers may have the opportunity of testing them we are including them in our Free Root Offer on page 45.

GREEN PLANTS

Green plants are sprouts or cuttings taken from clumps grown in especially built greenhouses; rooted in sand benches in air-conditioned propagating houses; potted and grown under greenhouse conditions until well established and then moved outside to cold frames for proper hardening off. When they reach you they are ready for planting.

We have established a reputation for quality of our green plants. Many hundreds of thousands have been grown and shipped by us, and our customers have found them highly satisfactory. They are, as you will notice in our lists, considerably cheaper than roots.

Their care after you receive them is fully described on page 22.

Green plants will produce flowers equal to roots or pot roots when well grown for exhibition, but will not produce as large clumps for the following season. When properly grown from healthy stock, however, many varieties will produce nice clumps.

Dahliadel green plants are always properly grown, and, in our specially designed shipping box have been successfully sent all over the United States.

ROOTED CUTTINGS

Rooted cuttings are sprouts or cuttings grown exactly as described under green plants (see above) up to the point where a good root system has developed. At this stage they are taken from the sand and carefully packed in dampened sphagnum moss and wrapped in waterproof material, and shipped to the customer. Full cultural instructions will be found on page 22 for their subsequent treatment.

Rooted cuttings are the cheapest form in which dahlias can be purchased. They are 1/3 less in price than plants. For example, a variety that would sell at \$3.00 a root, \$1.00 a plant, would be .67 for a rooted cutting. By availing yourself of Quantity Discounts 3 rooted cuttings would be \$1.80, 6 for \$3.20 or 12 for \$6.00, or the price of 2 \$3.00 roots. We do not have sufficient stock to supply rooted cuttings on all of the 1942 Introductions. We will gladly advise on varieties in which you are interested. They appeal particularly to those who are equipped to properly take care of them on arrival, and they will then grow blooms and plants identical with those produced by green plants. There is no question but that they have their place for those who wish to get an early start in the more expensive varieties, or for those who like to do more of the early growing of the dahlia plants themselves.



DAHLIADEL 1942 INTRODUCTIONS—Cont'd

PEACH DAWN (Dudley-Dahliadel 85B), S-C, Bloom 8 x 5, Bush 5 ft. A unique and most pleasing form. Rosy flesh suffused soft rose, giving the effect of soft salmon pink. Flowers of good substance and useful size on strong stems. The bush growth shows marked vitality and foliage is most insect resistant. Comes into bloom about the middle of September, and we have yet to see an open center on this variety. Certified at East Lansing and listed in the House Beautiful Futurity.

Root, \$10.00; Plant, \$3.50

PINK ELEPHANT

PINK ELEPHANT (Giffin-Dahliadel 85A), ID, Bloom 12 x 7, Bush 3½ ft. For both size and color this Informal Decorative in a beautiful deep rose pink hits the mark. Brighter than Kathleen Norris, and blooms grow very large in field culture, and plenty of them. A compact grower that is sure to please. This variety is early to bloom and can safely be pinched out twice, making a beautiful bush. A great favorite with our many visitors who predicted a wonderful future for this variety. Listed on the Flower Grower Honor Roll and in the House Beautiful Futurity.

Root, \$10.00; Pot Root, \$6.75; Plant, \$3.50

PINK PROFUSION (Cordes-Dahliadel 86B), FD, Bloom 7 x 4, Bush 4½ ft. Since Jersey Beauty we have been looking for a pink for cutting, that would be different and yet have all of Beauty's good qualities, but branch more readily and produce more flowers. This Formal of intense salmon pink edged deep rose pink develops a cream center as it fully opens. Perfect center, sturdy growth, and glossy dark foliage make it very popular. Try this variety against Jersey Beauty either as a cut flower or on the show table. We grew this "blooming fool" in our trials for several years, before offering it to the public, and each year were more impressed with its sterling worth. Listed in Johnston's Futurity and on Dudley's Honor Roll.

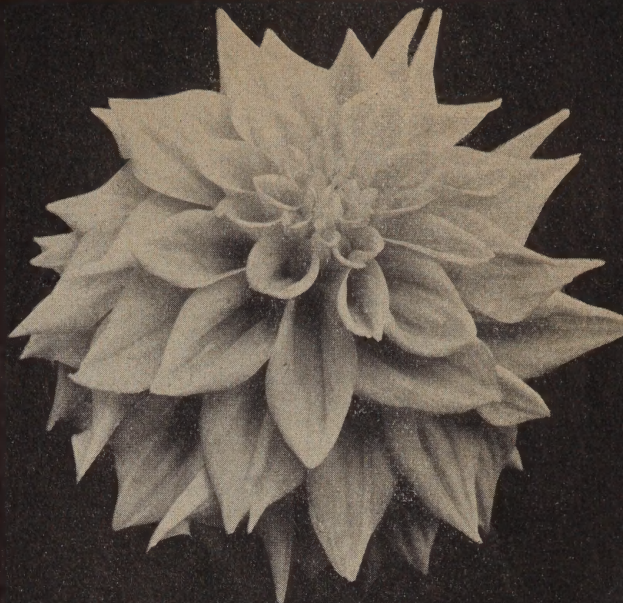
Root, \$10.00; Pot Root, \$6.75; Plant, \$3.50

WINTER MORN (Dahliadel 85B), St.C. Bloom 7½ x 4, Bush 4 ft. A new white sport of Frau Ida Mansfield with the same good qualities of its parent, and plenty of vitality. An unusual keeper for a Cactus dahlia. A deep flower most appealing in form. Won a first in the Seedling Cactus Class at Washington, D. C. This variety, a Straight Cactus, and Snowcrest, an Incurved Cactus, are the very best commercial white Cactus dahlias we have ever grown, and are especially good on the show table. On Dudley's Honor Roll and House Beautiful Futurity.

Root, \$7.50; Pot Root, \$5.00; Plant, \$2.50



PEACH DAWN



PINK PROFUSION

1942 INTRODUCTIONS of Other Growers

Plants grown from Originator's or Introducer's Stock

COLUMBIA (Cuyahoga), S-C, Bloom 12 x 10, Bush 5½ ft. A beautiful blend of deep gold and peach pink, with the petals having a sparkling sheen and curling back to the stem. Blooms, with high pointed centers, keep well and are borne facing on strong stems. Recommended by several dahlia authorities. Achievement Medal winner. Plant, \$5.00 Net

DEAN SHURTLEFF (Rockley 85A), ID, Bloom 10 x 6, Bush 5½ ft. Bright crimson flowers with high full centers are held well on long rigid stems. The bushes are of uniformly sturdy growth with healthy foliage. More refined than Murphy's Masterpiece and of better growth and ability to produce roots which will keep. Certified at W. Va. in 1941, and several times winner as best red in the shows there. Plant, \$3.50 Net

DOROTHY GEER (Geneva 85B), FD, Bloom 7 x 4, Bush 5 ft. A soft violet rose with petals nicely pointed. In form it is similar to Jersey Beauty. Has a long graceful stem with flowers held perfectly. Award of Honor at Atlanta in 1940. Plant, \$3.50

DOROTHY SCHMIDT (Parrella 85B), S-C, Bloom 7 x 4, Bush 4½ ft. Color is between violet rose and lavender. Blooming habit profuse. Won the Leonard Barron Memorial Medal at the 1941 A.D.S. Exhibition at New York, as well as a Silver Medal Certificate. Plant, \$3.50

DR. DANNER (Dixie 85A), ID, Bloom 10 x 6, Bush 5 ft. Soft scarlet with buff reverse, similar to, but an improvement upon, our famous Forest Fire. Flowers borne on strong stems Plant, \$3.00

HON. A. E. GIEGENGACK (Goetzger 85A), FD, Bloom 10 x 5, Bush 5½ ft. A seedling of Murphy's Masterpiece of a bright Amaranth red. Strong tall grower. This variety was the best bloom in the show at Washington 1941. Introducer recommends "use of Potash is necessary to strengthen stems." Plant, \$3.50

INDIAN SUMMER (Goetzger 85A), S-C, Bloom 10 x 5, Bush 5 ft. Golden yellow with soft orange suffusion. The bush is tall and rugged, with excellent foliage. On Johnston's Futurity and Dudley's Honor Roll. Achievement Medal winner at Washington. Certified O.V.D.A. Enjoys good culture. Root, \$15.00; Plant, \$5.00

MOLLIE B. (Briggs-Ruschmohr 85A), ID, Bloom 10 x 7, Bush 4½ ft. This bright Tyrian pink was the winner of the Achievement Medal at New York and the A.D.S. Gold Certificate. It has good strong stems which hold the flowers at a proper angle. Centers are full and flowers are of good form. Bush is of sturdy growth with extra heavy foliage. Plant, \$5.00

ORANGE PRINCESS (Geneva 85B), C, Bloom 7½ x 4, Bush 5 ft. This unusual Cactus is orange red at center shading to true orange at tips of petals. This variety reminds us of Miss Belgium, but is larger and of different color. Keeps very well when cut, and is most attractive. Plant, \$3.50

STEPHEN FOSTER (Salem 85A), IC, Bloom 10 x 6, Bush 6 ft. A fine shade of buff with scarlet suffusion. This dahlia won 4 Achievement Medals and is listed on the Honor Rolls and on Johnston's Futurity. Petals are nicely curled and twisted and bush is exceedingly tall and rugged. Plant, \$10.00

THE SHINING ONE (Golden Rule 85B), ID, Bloom 8 x 4, Bush 3½ ft. In color this dahlia is an intense Jersey Beauty pink. The stem is very long and rigid. Flowers face perfectly. In bush growth it is rather short. Has strong possibilities as a cut flower. Certified at O.V.D.A. and East Lansing. Achievement Medal winner at Cincinnati. Plant, \$3.50

TOP FLIGHT (Southern 85A), S-C, Bloom 10 x 5, Bush 5 ft. A bright crimson with broad staghorn petal formation. This dahlia has fine long rigid stems. Bush is tall and sturdy. Winner of American Home Achievement Medals at Boston and Richmond. Should be a strong contender in its class. Plant, \$5.00



DAHLIADEL 1942 INTRODUCTIONS

Single, Miniature and Collarette

BACHELOR GIRL (Dahlia del 85), Bloom 5, Bush 4 ft. A stunning orange Single dahlia of one tone. Its color is clear, bright and well lighted. The flowers are large, graceful, with tips of petals rolling back. It grows on a most sturdy plant and bears its flowers on rigid stems. We have grown this beauty for three years and it has been unanimously acclaimed by our many visitors. On House Beautiful and Flower Grower Honor Rolls.

Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00

JERSEY MAID (Dahlia del 85), Bloom 3, Bush 3 ft. A bi-color seedling of our famous Doc which is somewhat similar to its parent except in color. which is clear bright lemon yellow and white. The flowers are uniform and are one of the best keepers we have. This Single is a gem for arrangement work. Most of those seeing it have used the term "exquisite" which we feel aptly describes it. Certified at W. Va. and listed in both the House Beautiful Futurity and the Flower Grower Honor Roll.

Pot Root, \$2.00; Plant, \$1.00

LITTLE SUSAN (Frey-Dahlia del 85S), Bloom 2½ x 2, Bush 3 ft. A beautiful soft Tyrian rose with lighter shadings. The illustration of this Miniature Formal Decorative, taken late in October, shows the ability of this variety to hold good form throughout the season. Blooms profusely and certified at Storrs in 1940. Listed in House Beautiful Futurity and on Flower Grower Honor Roll.

Root, \$3.00; Plant, \$1.00

ORANGEADE (Dahlia del 85), Bloom 4½, Bush 4 ft. The first worthwhile orange Collarette which we have ever seen. The collar is of somewhat deeper orange tone. Blooms are uniform in size on exceptionally strong stems. It is profuse in blooming habit and a most excellent keeper. A decidedly worthwhile acquisition to the rather limited Collarette Class. Listed in House Beautiful Futurity.

Plant, \$1.50

1942 INTRODUCTIONS of Other Growers

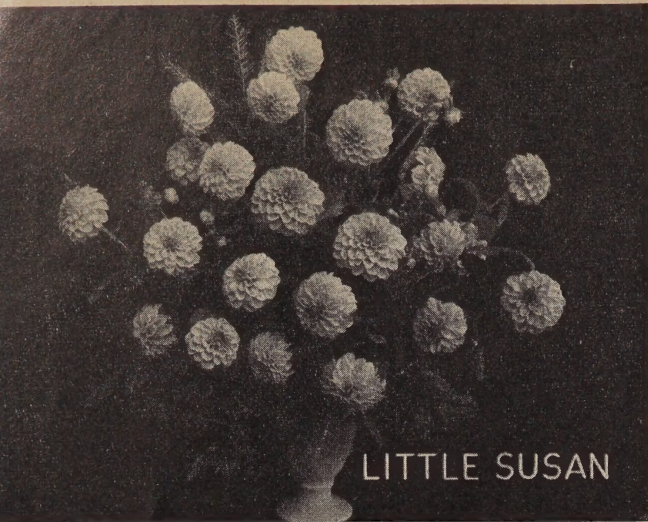
Plants grown from Originator's or Introducer's Stock

SMALL VARIETIES

PINK DUCHESS (Waaser 85), Bloom 1½ x 1¼, Bush 3 ft. Here is a lilac rose Pom of ideal size. The petals are quilled and centers always good. Won first in Seedling Pom Class at New York and Rockville Centre, L. I. This variety will unquestionably take its place in any list of highest grade Poms.

Plant, \$1.00

WHITE FAWN (Dixie 85S), Bloom 3 x 2, Bush 4 ft. This pure white Formal Miniature bids fair to head the list in its class as it is the best brought out so far. The bush is rugged with heavy foliage and is most prolific in bloom. Young blooms may show hard centers which disappear when flower is fully open. Certified at Storrs and O.V.D.A. Plant, \$1.50



LITTLE SUSAN



JERSEY

MAID



ORANGEADE
(Collarette)

BACHELOR
GIRL (Single)



DAHLIADEL NURSERIES

STRAIGHT CACTUS DAHLIAS

BALLERINA (Frank 85B), Bloom $7\frac{1}{2} \times 4$, Bush 5 ft. Light salmon orange with a touch of peach red. Flowers are of good size and held in good position on long stems. Bush growth vigorous. Root, .50; Plant, .50

CAPT. CEDARQUIST (Frank 85B), 1941, Bloom 6×4 , Bush 4 ft. Bright salmon orange, shading to a lighter tone at tips. A seedling of Miss Belgium with better form. A fine cut flower and exhibition variety. Root, \$2.50; Plant, \$1.00

DR. HELMUTH SPAT (Topsvoort 83B), Bloom 5×2 , Bush 4 ft. Clear light lilac in color, which is fine for florist work. Stems long and straight. Blooms profusely. Root, .35

DULCINEA (Bruidegom 84B), Bloom 6×3 , Bush $3\frac{1}{2}$ ft. Soft crimson red with long pointed petals. Stems long and wiry. When well grown, is decidedly worthwhile. Root, .50; Pot Root, .35; Plant, .50

ELLA MAY (Prentice-Dahliadel 85B), Bloom 7×5 , Bush 5 ft. A deep crimson carmine. While the color is dark, flower is quite distinctive. Stem excellent and centers full. Root, .35

FRAU IDA MANSFIELD (Schone 85B), Bloom 7×4 , Bush $4\frac{1}{2}$ ft. Clear pale lemon color. Petals revolute and are cleft which gives the flower the appearance of extreme fullness. Early, profuse and still a favorite. Root, .50; Pot Root, .50; Plant, .50

HILLSIDE GOLD (Hillside 85B), 1939, Bloom $7\frac{1}{2} \times 4$, Bush $3\frac{1}{2}$ ft. A golden yellow with an apricot glow of sheer beauty. Bushes branch naturally and flowers are held well above foliage. A fine keeper for exhibition, cutting and baskets. Root, \$1.00; Pot Root, .75; Plant, .50

JERSEY DAINTY (Waite 85B), Bloom 7×3 , Bush 5 ft. White which is faintly tinged lavender, but is almost pure white late in season. Fine for exhibiting and cutting. Bloom held on long, straight stems. Healthy plant growth. Root, .35

MARIETTA E. (Eldridge-Dahliadel 85B), 1939, Bloom 7×3 , Bush $3\frac{1}{2}$ ft. Clear canary yellow which is sun-resistant. Has many winnings including a certificate at Storrs, and an American Home Achievement Medal. A fine variety when well grown, but bush is not particularly vigorous under ordinary culture. Futurity Medal, 1939. Root, \$1.00; Plant, .50

MISS BELGIUM (Nagles 85B), Bloom 6×4 , Bush $4\frac{1}{2}$ ft. An even shade of bright orange making it useful with other flowers. Blooms always full and held on long, straight stems. This variety is worthy of a place in any planting as it gives universal satisfaction. Root, .50; Pot Root, .35

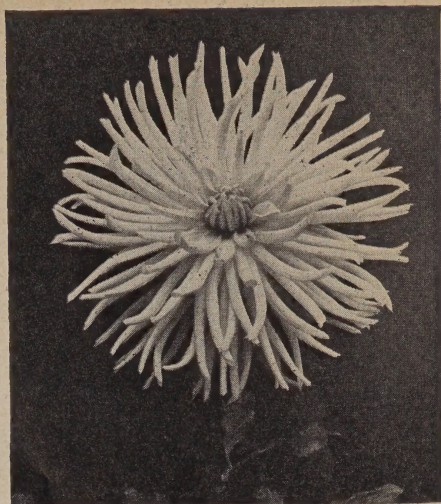
MRS. BRUCE COLLINS (Fenton-Dahliadel 84A), Bloom 9×4 , Bush 4 ft. Blooms very early. Primrose yellow shading lighter toward tips. Must be pinched out and side pruned to get a bush in proportion to blooms. Blooms continuously. Root, .50

MRS. HERBERT O'CONOR (Berwick-Dahliadel 85A), Bloom 9×5 , Bush $5\frac{1}{2}$ ft. This artistic dahlia is a bright rose pink shading to deep rose pink at center. Usually classified as a Straight Cactus, it sometimes has a tendency to incurve. Bush growth is tall and flowers produced in large numbers. Stems, strong and flowers face nicely. Cert. O.V.D.A. Root, .50

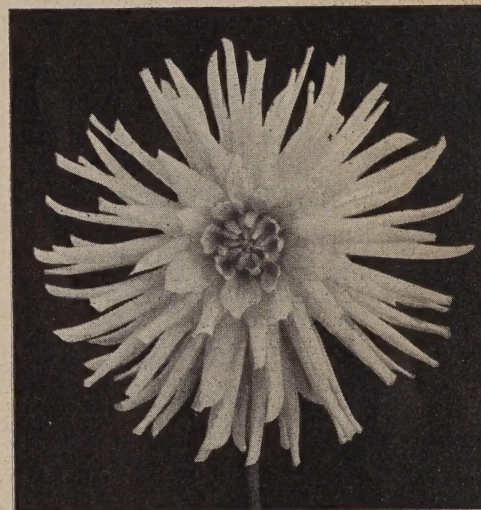
NAGLES' ORANGE (Nagles 85B), Bloom 6×3 , Bush $3\frac{1}{2}$ ft. Distinctive orange red and a decidedly worthwhile variety. Bush vigorous and foliage heavy. Stems are long, rigid and hold blooms nicely. Centers full. Root, .50; Pot Root, .50

SAARLAND'S HEIMKEHR (Woditscka 85B), Bloom 7×4 , Bush 3 ft. Deep rose pink shading to and tipped pale lemon. Fine slender petals. Full centers all season, with excellent stems. Award of Honor, Ga. Root, .50; Pot Root, .50; Plant, .50

THE OHIOAN (Frank 84B), Bloom $6\frac{1}{2} \times 5$, Bush 5 ft. Color bright peach red, almost spectrum red. Flowers evenly formed, good centers, strong stems. Root, .75; Plant, .50



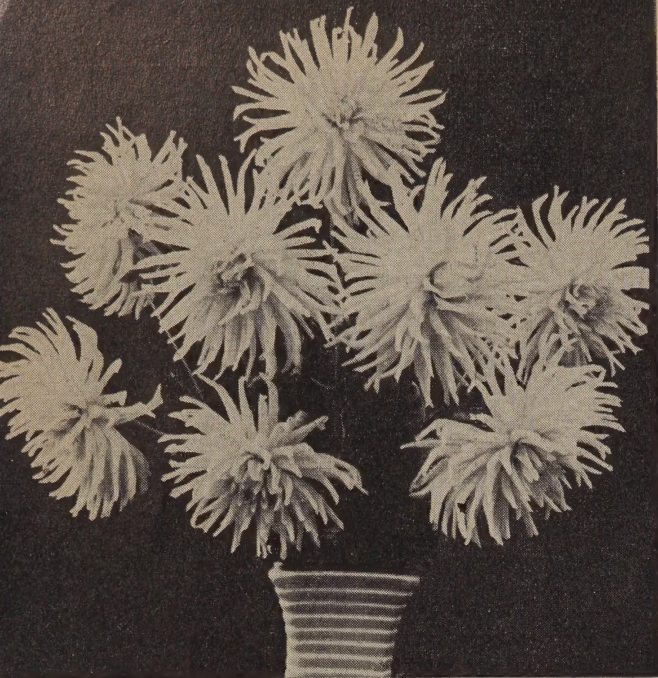
Marietta E.



Mrs. Herbert O'Connor



HILLSIDE GOLD



Snowcrest

INCURVED CACTUS DAHLIAS

SNOWCREST (Alexander-Dahliadel 85B), 1941, Bloom 7 x 4½, Bush 4 ft. A very much needed pure White Incurved Cactus on long stiff slender stems. A real cut flower as well as a winner in any show. In 1940 it won the Leonard Barron Trophy and the American Home Achievement Medal. Certified at O.V.D.A. and W. Va. Trial Grounds. On 1941 Futurity and Honor Roll. Snowcrest likes rich soil, and stands a little extra fertilization.

Root, \$4.00; Pot Root, \$2.75; Plant, \$1.50

BERNICE GEER (Geneva-Ruschmohr 84B), Bloom 8 x 5, Bush 5 ft. Deep rose pink with old rose suffusion. High, full centers. Blooms freely on long, strong stems.

Root, .50

CROWNING GLORY (Salem 85A), 1941, Bloom 11 x 6, Bush 6 ft. Mallow pink softening to cream at center. Similar to Greater Glory but more Cactus in form. American Home Achievement Medal at Peekskill and Washington. Gold Medal winner at New York World's Fair, 1940. In the Futurity and on Lynn Dudley's Honor Roll.

Plant, \$3.50

DOMINANT (Bruidegom 85A 85B), 1939, Bloom 8 x 5, Bush 4 ft. Rose pink suffused lilac changing to sulphur yellow at center. Artistic and finely formed flowers are held in perfect position on long strong stems. Bush growth rugged and foliage heavy. One of the most beautiful and satisfactory newer dahlias, which we unhesitatingly recommend.

Root, .75; Pot Root, .50; Plant, .50

FLASH (Salem 84A 85B), 1940, Bloom 8 x 5, Bush 4½ ft. A striking and unusual bi-color of moderate size. Petals are crimson with white tips and are serrated doubly, one set of serrations pointing one way, the other set opposite. Substance of flower not good as the blooms do not keep well when cut. Like many bi-colors some blooms are marked irreg-

ularly.

Root, \$3.00; Plant, \$1.00

DAHLIADEL NURSERIES



GOLDEN STANDARD (Downs 85A), Bloom 9 x 5, Bush 4½ ft. A warm buff shaded amber and gold. Very pleasing in form with full centers and evenly arranged petals. Like a number of other Incurved Cactus dahlias, at times it is inclined to be Straight. Bush is a good open grower. Excellent stems holding flowers in good position.

Root, .35

HILLSIDE BEAUTY (Hillside 84B), 1941, Bloom 7 x 5, Bush 4 ft. Apricot with Tyrian rose suffusion and on reverse. Listed on Dudley's Honor Roll and the Futurity. Cert. at Storrs.

Plant, \$1.50

LEIDEN'S ELEGANCE (Ballego 84B), Bloom 7 x 3½, Bush 3 ft. A light cardinal with long, erect stems. Good form and does well under ordinary culture.

Root, .50

MARY TAYLOR (Taylor 86B), 1940, Bloom 7½ x 5½, Bush 5 ft. Rosy flesh suffused yellow at center. A fine and unusual dahlia. It was the highest scoring dahlia at Storrs, 1940 (86), also scoring 85 at E. Lansing and W. Va. Bush growth open with ideal stems. Useful for cutting and a dahlia with a great future.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

MASCOTTE (Bruidegom 84B), Bloom 7 x 4, Bush 5 ft. A Holland variety of soft Tyrian pink shading deep rose. Flowers held on long stems in good position. Centers full and back of bloom good.

Root, .50

MISS OHIO (Frank 85B), Bloom 7 x 5½, Bush 5 ft. Color, lilac suffused deep rose pink. This variety always has a fine full center and blooms profusely from early in the season until frost. Bush rather open with flowers held well above the foliage, on slender but rigid stems. When not disbudded, produces blooms which literally cover the bush. Disbudded the blooms are of exhibition size. Certified at Storrs.

Root, .50; Pot Root, .50; Plant, .50

MISS WAHROONGA (Australia 84B), Bloom 7 x 3½, Bush 3½ ft. A dark dahlia of deep velvety crimson. A strong grower with good stems. Early and profuse. Medium size blooms of good form and substance. What it lacks in size it makes up in quantity.

Root, \$3.00; Plant, \$1.00

MME. C. JUSSIANT (Nagels, 85B), Bloom 8 x 4, Bush 4 ft. Soft violet inclined to lavender. The best Incurved Cactus in its color. A popular lavender cut flower for the florists, and also fine for exhibiting. Early and prolific.

Root, .75; Plant, .50

MME. GEORGE PEZANT (Pezant 85B), Bloom 8 x 4½, Bush 3 ft. Bright scarlet of true Cactus form. Stems good and flower held well. Bush growth somewhat short. This variety needs some shading to produce perfect blooms. When well grown, is very fine.

Root, .50; Pot Root, .50

NANCY ANN MITCHELL (Mitchell-Ruschmohr 85B), Bloom 7½ x 5, Bush 5 ft. Vivid scarlet of good size and depth. Bush of good size with leathery foliage. A very pretty flower which should be fine for basket and arrangement work.

Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00

REBELLION (Stredwick 84B), Bloom 7 x 4, Bush 4 ft. A deep Rhodamine purple of good form with numerous pointed petals. A rare beauty but not a profuse bloomer nor early to bloom. It requires a fairly long growing season.

Plant, \$1.00



DAHLIADEL NURSERIES

INCURVED CACTUS DAHLIAS—Cont'd

RED SPIDER (Dahliadel 84A), Bloom 9 x 5, Bush 5 ft. An English type Cactus of deep crimson color. Robust growing plant branching nicely. This variety would be marvelous were the stems always able to support the blooms. **Root, .50**

ROYAL PURCHASE (Salem 84A), Bloom 10 x 5, Bush 4½ ft. Color is straw yellow with outer petals suffused pink. Massive enough to go with the Semi-cactus dahlias, but the long, slender petals revolute qualifying as a Cactus. Blooms are deep, full and held nicely on strong stems. **Root, .50**

SON OF SATAN (Slocum 85A), Bloom 11 x 5, Bush 5 ft. An improved Satan. Bright scarlet with stronger stems. The petals revolute sufficiently to bring it into the Incurved Cactus Class but under varied conditions it will develop into a Semi-cactus.

Root, \$1.00; Pot Root, .75; Plant, .50

YELLOW GIANT (Ballego 85B), 1939, Bloom 8 x 4, Bush 4½ ft. Soft clear lemon of very fine form. Stems long and flowers held well. Bush growth open and rugged. Centers of flowers full and back good. An early and profusely blooming variety which is popular. Certified at Storrs.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

SEMI-CACTUS DAHLIAS

AMERICAN PURITY (American D. F. 85A), Bloom 10 x 8, Bush 4½ ft. A fine, large, deep white on strong, erect stems. Its substance and keeping qualities make it an ideal exhibition dahlia. Bush growth good and foliage in proportion. Achievement Medal winner and still found in many shows.

Root, .75; Pot Root, .50; Plant, .50

BETTE DAVIS (Cordes-Eastman 85A), Bloom 9 x 5, Bush 5½ ft. A rosy lavender of very fine form. Stem strong and flower held in good position. Bush growth robust and foliage heavy. Difficult to propagate, stock limited **Pot Root, .75; Plant, .50**

DOROTHY LAMOUR (Ballay 85A), 1941, Bloom 9 x 4, Bush 5 ft. One of the prettiest of the 1941 Introductions. A brilliant cadmium orange, unusual in the dahlia family. Blooms of fine form of exhibition quality on long strong stems. A dahlia of unusual merit. **Plant, \$2.50**

FIGARO (85A), Bloom 10 x 5, Bush 5 ft. We understand this is a color sport of Satan, gold striped scarlet. Resembles Satan in size and growing qualities. Very spectacular and satisfactory. A good keeper, and fine for exhibition.

Root, \$2.00; Plant, .75

FRAU O. BRACHT (Berger 85A), Bloom 9 x 4½, Bush 5 ft. Color, clear primrose yellow. Usually classified as a Semi-cactus but some blooms revolute enough to qualify it as a Cactus. Bush somewhat temperamental as to climatic requirements.

Root, .75; Plant, .50

GREATER GLORY (Salem 85A), Bloom 11 x 5, Bush 5 ft. A tall, vigorous bush with healthy foliage, and very artistic blooms. Classified as a Semi-cactus but at the end of the season the petals roll, coming close to a Cactus. Color, a deep rose pink shading to sulphur yellow at center. Winner of many prizes.

Root, \$1.00; Pot Root, .75; Plant, .50



LIMELIGHT (Dahliadel 85A), Bloom 9 x 5, Bush 3 ft. Pointed petals of soft sulphur yellow with blooms larger and deeper but similar to Frau O. Bracht, and a variety that is much easier to grow. Its name describes its color perfectly. A semi-dwarf growing bush that fits into landscape planting. Not easily damaged by storms and gives good exhibition blooms. It has erect stems, long enough for cutting when disbudded and is prolific in blooms.

Root, .75; Pot Root, .50; Plant, .50

GRETEL (Bauer 83B), Bloom 6 x 3, Bush 3½ ft. Best described as a large and darker Miss Belgium. Color, a soft fiery red. This variety is very satisfactory for cutting. **Root, .35**

ISIS (Foreign 85B), Bloom 7 x 3, Bush 4 ft. Very fine apricot salmon with bronze center. Plant is a blaze of color from early till late. A sturdy, well-proportioned bush. A beautiful garden variety of fine form, useful for decorating and arrangements.

Root, .75; Pot Root, .50; Plant, .50

LINK'S CONSPICUOUS (Premier 85A 85B), 1941, Bloom 8 x 5, Bush 3½ ft. A bright lemon yellow of good form with full deep centers and lacinated petals. Classified as a Semi-Cactus but inclined to an Incurved Cactus. **Plant, \$1.25**

SATAN (Ballay-Success 84A), Bloom 10 x 4, Bush 6 ft. Color, scarlet with yellow on reverse of petals showing at the center. Stems are very long and may need some support in wet weather. Very showy in the garden. Bushes tall and rugged. Flowers are uniformly large and of regular formation, keeping well when cut. Certified at Storrs. **Root, .50**

TROPIC STAR (DeRuyter 85B), Bloom 5 x 3, Bush 3½ ft. Orange red with bright yellowish orange center. Blooms rather small but produced in greatest profusion from early until late. Fine for cutting. **Root, .75; Pot Root, .50**

ZUIWN (Foreign 85B), Bloom 6 x 3, Bush 3 ft. A bright crimson carmine of very pleasing form on wiry stems. At times a Straight Cactus. **Root, .50**



Consul Gen. Quist

SEMI-CACTUS DAHLIAS—Cont'd

CONSUL GEN. QUIST (Ballego 85B), 1939, Bloom 8 x 5, Bush 4 ft. One of the most beautiful of the newer introductions. Soft cameo pink shading lighter with soft yellow shadings. Good stems. A decided acquisition and a dahlia which has come to stay. Futurity '40.

Root, \$1.00; Pot Root, .75; Plant, .50

ALL-AMERICAN (Salem 85A), 1941, Bloom 10 x 6, Bush 6 ft. Soft carmine with orange undertone. A finely formed dahlia which won many awards in 1940 including American Home Achievement Medal at Milwaukee. Listed in all the Honor Rolls, Futurity and an Award of Honor, Ga.

Root, \$7.50; Plant, \$2.50

BALLEGO'S SURPRISE (Ballego 85A), Bloom 9 x 5, Bush 5 ft. One of the very finest dahlias grown. Pure white of excellent form, with deep, full-centered flowers nicely held on strong, straight stems. A standard variety whose popularity is great, and winnings legion. Does especially well from pot roots.

Root, .75; Pot Root, .50; Plant, .50

ENKART PRIMA (Belgium 85A), Bloom 9 x 5, Bush 4 ft. Salmon with gold center. A rugged plant with very vigorous foliage. A beautiful color and a worthwhile dahlia.

Root, \$1.00; Pot Root, .75; Plant, .50

EVELYN CHANDLER (Ballay 84A), 1940, Bloom 9 x 5, Bush 4½ ft. Bright golden apricot with deeper shadings on reverse which show through, especially at center of flower. Has been called a Golden "Satan." Can be grown very large with extra culture.

Root, \$3.00; Plant, \$1.00

HILLSIDE JOY (Hillside 85A), 1941, Bloom 10 x 5, Bush 4 ft. Apricot yellow with orange suffusion. A huge flower of great depth. Fine for cutting and prolific in blooms. Certificate at E. Lansing and Fairmont, 1940. Listed on Eddy's Honor Roll and the Futurity. Root, \$4.00; Pot Root, \$2.75; Plant, \$1.50

DAHLIADEL NURSERIES



JULIUS C. BUNGE (Carlee 85B), Bloom 7 x 4, Bush 4½ ft. In color, is a pure bright pink without any lilac or violet. In form, it is perfect and flowers are held well above foliage. Bush growth good with heavy foliage. Early and profuse blooming habits. A fair root maker. Award of Honor, Ga. Root, \$1.00; Pot Root, .75; Plant, .50

KOKI (Japan 85A), Bloom 10 x 7, Bush 4½ ft. Soft carmine with buff reverse showing at tips. Petals twisting and whirling pin-wheel fashion. A large and impressive flower, which, because of its great depth, appears even larger. Bush growth stocky and healthy. A real novelty.

Root, \$1.00; Plant, .50

LAETARE (Bruidgom 85B), Bloom 6 x 3, Bush 4½ ft. Orange red edged chrome yellow. This bi-color is most attractive and a favorite with our visitors. Bush growth strong and foliage healthy. Stems long, strong, and hold flowers well.

Root, .50; Pot Root, .50; Plant, .50

MARJORIE SPENCER (England 85B), 1941, Bloom 7½ x 4, Bush 3 ft. Color described as brilliant cerise red or rich strawberry pink which is appealing. An early and profuse bloomer which is an asset for color in the garden.

Plant, \$2.50

MICHIGAN RADIANCE (Wolfe 85B), 1941, Bloom 7 x 5, Bush 4½ ft. Similar to Hillside Gold in color but with more orange red suffusion. This variety has long straight stems and can be highly recommended for any up-to-date planting.

Root, \$3.00; Plant, \$1.00

MISS GLORY (Ballay 85A), Bloom 10 x 5, Bush 4 ft. A fine deep yellow with apricot suffusion, outstanding for exhibition purposes. Petals rolled and incurved nicely. Bush growth sturdy, and flowers are held above foliage on long, strong stems. Has had a long run of popularity.

Root, .50; Pot Root, .50

PAUL PFITZER (Berger 85B), Bloom 7½ x 4, Bush 4 ft. This variety has been very satisfactory for arrangement work, as it is a most pleasing combination of sulphur yellow and lilac rose which blends well with other dahlias. Strong, vigorous plants with good blooms held well above the foliage.

Plant, .50

RED JUG (Preas-Ruschmohr 85A), Bloom 8½ x 5, Bush 5 ft. A remarkable brilliant crimson carmine with faint yellow tips. It comes close to a true Cactus at times. Stems are cane-stiff and hold the flowers perfectly facing. Foliage is insect-resistant. Cert. at Storrs

Root, .50

ORDER EARLY

This year, more than ever, we suggest ordering early, as stock of a number of the varieties listed in this Catalog will be depleted before the height of the planting season.

We also suggest that you check your stock in storage earlier this season than usual. Roots in some sections of the country are not keeping well, due to the unusual growing season, and there will be a general shortage of stock.



SEMI-CACTUS DAHLIAS—Cont'd

AMELIA EARHART (Cordes-Eastman 85A), Bloom 12 x 6, Bush 4 ft. The fine color of this variety is apricot buff with salmon tints shading to soft yellow at base of petals. While in the past it was temperamental, we have carefully selected and rogued until our stock is very satisfactory. The massive flowers are most attractive and still a contender in the shows. Root, .75; Pot Root, .50; Plant, .50

ANDRE CSIZIK (Ballego 84B), Bloom 5½ x 3, Bush 5 ft. Bright violet rose of an intense shade. Stems good, holding flower in good position. Early, profuse blooms which are fine for exhibition or home use. Root, .35

COLOR SERGEANT, Bloom 10 x 4, Bush 5 ft. A deep salmon bronze without any other shadings. Root, .35

EDNA FERBER (Sanhican 84A), Bloom 9 x 4, Bush 5 ft. Glistening coral shading to old gold at base of petals. This old variety has met the test of time, and is still a very good dahlia. Bush, a strong grower with dark green foliage. Root, .50

JEAN TRIMBEE (Trimbee 85A), Bloom 10 x 5, Bush 5 ft. Massive yet artistic, with long, revolute petals that curl and twist. The color is a beautiful Petunia purple. Very popular as an exhibition dahlia. A tall, vigorous grower, with long, erect stems. Root, .50; Plant, .50

JESSICA DRAGONETTE (Jones-Alling 85A), Bloom 12 x 6, Bush 5 ft. Produces an abundance of wonderful exhibition blooms with good keeping qualities on real stems. Color is a fine color combination of buff apricot suffused peach and mauve. Large flowers of perfect form with beautifully pointed petals. A poor root maker. Root, .75; Pot Root, .50; Plant, .50

KENTUCKY SWEETHEART (White 85A 84B), 1940, Bloom 8 x 4, Bush 5 ft. Deep rose pink with lavender edging. This new variety is somewhat similar in coloring to Mary Retzer, and to some is even more attractive. The strong branching bush makes a sturdy growth and produces its flowers on strong stems which hold the flowers well. Award of Honor, Ga. Root, \$3.00; Plant, \$1.00

MAFFIE (Exnar-Johnson 85A), 1940, Bloom 12 x 6, Bush 6 ft. Intense carmine of stupendous size. Maffie led the list of Futurity Medal Winnings in 1940, and was unquestionably one of the most spectacular exhibition dahlias shown. The tremendous size of this dahlia puts considerable strain on the stem. Bush growth is very rugged and foliage exceptionally heavy. Root, \$4.00; Plant, \$1.50

MARY LYNN DUDLEY (Dudley-Ruschmohr 85A), 1941, Bloom 10 x 7, Bush 5 ft. A bright oxblood red shading to Bordeaux red at center, with lighter reverse. Very good form and stems long and rigid. On Robert's Honor Roll and in the Futurity. Root, \$5.00; Plant, \$1.50

MARY RETZER (Retzer 85A), Bloom 9 x 4, Bush 5 ft. A sport of Edna Ferber with better stems. Color, a soft orchid pink, inclined to rose pink. A very pretty dahlia that is very popular and satisfactory as it is early, a strong healthy grower, with a color greatly admired. Root, .50



Treasure Chest

TREASURE CHEST (Dahlia 85B), Bloom 7½ x 6, Bush 3½ ft. This golden yellow variety suffused coral red is of a fine rich tone. In general, might be termed gold. The handsome, perfectly formed flowers have the unusual quality of growing in water, which make it one of the best cut flower dahlias grown, and wonderful for arrangement work. Bush growth rather low, but well branched. A very practical dahlia with long, well-proportioned stems. Root, .50

MODEL 999 (Lakeside 85A), 1939, Bloom 10 x 6, Bush 4½ ft. A seedling of Satan, of a fiery red with gold reverse. The flower has a high full center, and can easily be grown large. The bush growth is extremely rugged, well-branching and flowers are produced on long stems. Named after Henry Ford's first racing car. Root, \$1.00; Pot Root, .75; Plant, .50

PRIDE OF AMERICA (American D. F. 84A), Bloom 9 x 6, Bush 5 ft. A full, deep Semi-cactus that opens back almost to the stem. Color, clear primrose yellow with a tinge of pink on the reverse of petals. Stems are strong. Foliage medium dark. Still popular. Root, .50

SALMON GIANT (Imported 84A), Bloom 9 x 6, Bush 3½ ft. A strong, healthy grower producing uniform and artistic blooms nearly facing up on strong stems. Color, deep rose pink shading lighter at tips with apricot suffusion at center. Root, .50

STAR OF BETHLEHEM (Nolet 83B), Bloom 8 x 4, Bush 4 ft. Pure white with numerous pointed petals and a high, full center. The dense, dark green foliage makes a beautiful plant and sets off the lovely, white blossoms, enhancing their waxy appearance. Root, .50

YOUR LUCKY STAR (American D. F. 84A), 1939, Bloom 9 x 4, Bush 4½ ft. Amaranth pink with white center. Appeals to those who like light shades. Formation very regular. Stems are ideal. Plants are healthy and easy to grow. Centers are always good. Root, \$1.00; Pot Root, .75; Plant, .50



Miss Elsie Jane



SEMI-CACTUS DAHLIAS—Cont'd

KARDINAL VAN ROSSUM (Bruidegom 84A), Bloom 9 x 5, Bush 4 ft. True purple with a lighter reverse. The blooms are good size, excellent formation and very attractive. Bush growth is satisfactory with blooms produced in great profusion. Because of its fine color, is recommended highly.

Plant, .50

MISS ELSIE JANE (Dahliadel 85B), Bloom 6 x 4, Bush 4 ft. About the most artistically formed dahlia in the entire list. In color, too, it is most unusual, being a shrimp pink with cream shadings at center and tipped violet rose. Disbudded the flowers can easily be produced 6 x 4 inches. Blooms freely from early until frost. For sheer beauty character, floriferousness, long wiry stems and all-around usefulness, we heartily recommend it.

Root, .50

ROULETTE (Johnson 85B), 1939, Bloom 7 x 4, Bush 4½ ft. An appealing variety of bright Phlox pink with a white center. Artistic and unique petal formation.

Root, \$1.50; Pot Root, \$1.00; Plant, .50

YELLOW GLORY (Frey-Dahliadel 85A), 1940, Bloom 12 x 7, Bush 5 ft. A finely formed variety of clear, lemon yellow which grows to good size. The high, full center and artistic wavy petals give it a regal appearance. Stems strong, and blooms held in good position. Foliage is exceptionally dark for a yellow variety and bush growth good. Certified at Storrs. A seedling from the gardens of Conrad Frey, nationally known dahlia judge, and Past President of the A.D.S. Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00

INFORMAL DECORATIVE DAHLIAS



VIRGINIA
RUTE

CITY OF CLEVELAND (Hillside 84A), Bloom 10 x 5, Bush 4½ ft. A strong, healthy grower, and produces large uniform well-formed blooms throughout the season. Flowers are of artistic form of a bright orange suffused scarlet. Very rich and attractive in appearance. Certified at Storrs.

Root, .35

MAESTRO (Ballay 85A), 1940, Bloom 10 x 5, Bush 3½ ft. Oxblood red with deep rosy magenta reverse, which reflects through the flower giving it a general reddish purple effect. Good size, fine substance, good center and strong, erect stems. Is late coming into bloom and should therefore be planted early.

Root, \$3.00; Plant, \$1.00

PEPPERMINT CANDY (Alling 82B), Bloom 6 x 3, Bush 5 ft. An unusual bi-color of cream splashed, striped and penciled soft carmine. People like it because of its color and perfect form, but the stem is unusually weak and hooks over. Easy to grow.

Root, .50; Pot Root, .50

VIRGINIA RUTE (Chappaqua 86A), 1939, Bloom 12 x 9, Bush 5½ ft. This dahlia has everything. It will grow beautiful under cloth and equally well in the open. Color is rich oxblood red shaded garnet on edge of petals. Resembles Cherokee Brave in color and form. Blooms have high, full centers. The long, strong stems need no support even when grown for exhibition. A variety that needs no coddling and is in our opinion, one of the best.

Root, \$2.00; Pot Root, \$1.35; Plant, .75



INFORMAL DECORATIVE DAHLIAS—Continued

ADOLF MAYER (Topsvoort 85A), Bloom 9 x 4, Bush 5 ft. The color is black red. About the darkest of all dahlias. Bush of good height and sturdy. Stems in proportion and flowers held perfectly. Keeps well when cut. Altogether a dahlia which should be in every planting.

Root, .75; Pot Root, .50; Plant, .50

CHEROKEE BRAVE (Ricks-Dahliadel 86A), Bloom 11 x 6, Bush 5½ ft. Blooms are a rich oxblood red that hold their color well in the sun. Has done exceptionally well throughout the country, and in the Mid-West is considered by many the outstanding red. The blooms can be grown to extra large size. Considered one of our best introductions. Bush growth strong and foliage heavy. Award of Honor, Ga.

Root, \$1.50; Pot Root, \$1.00; Plant, .50

EVA HUNT (Hunt 85A), Bloom 10 x 5, Bush 5 ft. Waxy white with wide, heavy petals, with a texture almost like that of a lily. Centers are full and high. The dark green foliage with a white dahlia makes a striking contrast. It is a good grower but rather shy in blooms.

Root, .50

JOSEPHINE G. (Grosscross-Ruschmohr 83B), Bloom 7½ x 4, Bush 4½ ft. Color is a very pleasing true pink of a bright shade, slightly veined and tipped yellow. Sturdy bush, with flowers held well above the dense foliage. Very floriferous.

Root, .35

KILGORE'S KING (Kilgore 85A), Bloom 10 x 5, Bush 5 ft. This strong growing variety has blooms of deep lemon yellow with rose shadings on outer petals. The stems are very strong and hold the flowers well. The bush is rugged and stands a lot of adverse growing conditions.

Root, .75; Pot Root, .50; Plant, .50

LYNN FONTANNE (Lee-Parrella 85A), 1941, Bloom 11 x 7, Bush 5½ ft. A scarlet or peach red with wonderful strong stem. Bush growth tall and robust. One of the best keeping exhibition dahlias. well recommended. On Johnston's Futurity and Dudley's Honor Roll.

Plant, \$3.00

MEGAN CALLAGHAN (Australia 85A), Bloom 9 x 5, Bush 4½ ft. A pure white. The flowers are of good size, and held on long, straight stems in good position. Bushes vigorous and branch well.

Root, \$2.00; Plant, .75

MICHIGAN WHITE (Keiser 84B), Bloom 7 x 3, Bush 5 ft. A prolific bloomer. May be described as an improved Star of Bethlehem with good substance. A fine white commercial with three Cert. of Merit and Award of Honor, Ga.

Root, \$1.00; Pot Root, .75; Plant, .50

TELEVISION (Straight-Dahliadel 84A), Bloom 12 x 5, Bush 5 ft. Blooms are apricot suffused and shaded cardinal giving a general tone of reddish apricot. Stems are good and hold flowers well out of the dark foliage. A poor root maker. Certified at three Trial Grounds.

Root, \$1.00; Plant, .50

THE FIREMAN (Success 83A), Bloom 9 x 4, Bush 5 ft. Scarlet red with golden flushes and golden tips at center of flower. Bush growth healthy, blooming from mid-season until frost

Root, .35



Cherokee Brave



Producer

PRODUCER (Southern 85A 85B), 1940, Bloom 8-9 x 5, Bush 5 ft. A most beautiful variety of reddish orange softened with yellow and suffused rose. One of the best of the newer introductions which has had many winnings to its credit. Blooms are ordinarily 8 inches or under but can be grown much larger. Bush is of good size, vigorous, branches well and produces a profusion of blooms. Award of Honor, Ga. Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00



Opal

INFORMAL DECORATIVE DAHLIAS—Continued

OPAL (Berwick-Dahliadel 85A), Bloom 10 x 6, Bush 4½ ft. A very popular variety because of its unusual coloring combined with excellent form, which is most artistic. In color it is a pastel combination of soft salmon rose with lighter shadings, and centers of light lemon yellow. The stems are long, erect, holding the flowers in good position well above the glossy, dark foliage. Has done very well in the various exhibitions, but above all, is decidedly worthwhile for the average dahlia grower. Certified at E. Lansing.

Root, .50; Pot Root, .50; Plant, .50

ARELDA LLOYD (Smith 85A), Bloom 10 x 6, Bush 5½ ft. A clear lemon yellow with a very faint rose suffusion on ends of petals. May be described as a yellow Jane Cowl as the form of the flowers and bush growth are almost identical, although Arela is earlier to bloom.

Root, .35

CHARMER (Lloyd 85A), Bloom 10 x 6, Bush 5½ ft. A clear golden buff, lightly overlaid with an apricot yellow suffusion, very little rose showing. We believe this is a yellow sport of Jane Cowl, which seems to be getting darker each season so that there is not a lot of difference left between the two varieties. Certified at Storrs.

Root, .35

DUCHESS (Herzogen von Wuertemberg 85A), Bloom 10 x 6, Bush 4½ ft. Color, warm buff suffused apricot shading darker at center with a faint rosy cast over all, which is lighter and brighter than Jane Cowl, while it is nearer the Semi-cactus in form. Bush growth good, and stems almost perfect. This variety deserves greater distribution.

Root, .50; Pot Root, .50

DAHLIADEL NURSERIES



GOODNIGHT (Broomall 83A), Bloom 10 x 5, Bush 5 ft. One of the prettiest dark dahlias. Good throughout the season. Color, oxblood shaded maroon. Its faults are hard to find as it has size, form and stem as well as having profuse and early blooming habits. Root, .50; Pot Root, .50; Plant, .50

INCANDESCENT (Weyer 84A), Bloom 10 x 6, Bush 5½ ft. Soft orange, with coral red reverse and shadings. Plant growth somewhat temperamental. Evidently this variety will need some extra cultural care as it is considered very good when in condition.

Root, .75; Plant, .50

JANE COWL (Downs 86A), Bloom 10 x 6, Bush 5½ ft. This dahlia has made and holds a legion of friends. Color, a warm buff and old gold, blending to apricot and rose at the center. Bush

growth is ideal with strong stems holding the giant flowers upright

Root, .35

KENTUCKY SPORTSMAN (White 85A), Bloom 10 x 5, Bush 3 ft. This arresting bi-color or tri-color is lemon yellow at center, outer petals rich golden amber with old rose reverse, each petal evenly tipped pure white. Blooms of good form and a variety which is very popular. Achievement Medal winner.

Root, .75; Pot Root, .50; Plant, .50

MISS ENGLEWOOD (Daily 85A), Bloom 10 x 6, Bush 4 ft. Deep carmine red shading lighter with buff yellow on reverse. Occasional self-colored petaloids with white streaks scattered thru flowers. This is very attractive in both form and color. An easy variety to grow and one that is sure to give satisfaction. Certified at E. Lansing.

Root, .75; Pot Root, .50; Plant, .50

ROSY MORN (Johnson 85B), Bloom 8 x 5, Bush 5 ft. Tyrian pink shading lighter. The coloring is very fine, and the flowers are held in good position on strong, erect stems. Bush is healthy and vigorous, well-branching and of good height.

Root, \$1.50; Pot Root, \$1.00

PRICE vs. QUALITY

There are dahlias offered at lower prices than ours and we realize it is a temptation to buy at as low a figure as possible, as you want to get as much as you can for your money; but to have 100% success, you must have the best stock that can be produced. Buying inferior stock at low cost is not an economical way to buy and seldom is the way to success.



INFORMAL DECORATIVE DAHLIAS—Continued

ANDREA ERICSON Bloom 9 x 4, Bush 4½ ft.
White, very pleasing in form Root, .35

FORT MONMOUTH (Kemp 83A), Bloom 11 x 4,
Bush 6½ ft. An old standby which is still very
popular. Rich bright claret in color. Full, well-
formed flowers held high above foliage. Strong
grower and prolific in blooms Root, .50

GOLDEN BEAUTY (Silvernale 85A), Bloom 10
x 5, Bush 5 ft. Golden yellow. A most artistic
dahlia with high, full centers. Bushes unusually vigor-
ous. Strong, erect stems with flowers facing
slightly upward. Its popularity is bound to in-
crease. Certified at Storrs.

Root, .75; Pot Root, .50; Plant, .50

KENTUCKY DAWN (White 84A), Bloom 10 x 7,
Bush 6 ft. Soft golden buff with light peach suf-
fusion, reverse rose. This variety has size, good
stems, fine placement, vigor and good growing
habit. Rather late coming into bloom, however.
Award of Honor, Ga. Root, .75

NOELL MARVIN (Gelsdorf-Mad River 85A), 1941,
Bloom 11 x 6, Bush 3½ ft. An unusual and very
artistically formed dahlia, similar to Premier's Win-
some or Opal except in color, which is a clean
amber yellow heavily suffused rose red. To the
old timers, with memories of Insulinde, this variety
is larger and has plenty of petals. It is really a
worthwhile variety. Root, \$5.00; Plant, \$1.50

PINK GIANT (Bruidegom 85A), 1940, Bloom 9 x
5, Bush 5½ ft. Bright Tyrian pink. The high
light of the 1940 Foreign Introductions. Long,
strong stems hold the flowers facing and slightly
elevated. Strong, rugged bushes with heavy foli-
age. At the shows and in our gardens it was
universally acclaimed. A striking and unusual
dahlia. Root, \$2.00; Pot Root, \$1.35; Plant, .75

PINK JOSEPHINE (Cleveland 85A), Bloom 12 x
6, Bush 5½ ft. A companion for Carl G. Dahl in
a lavender pink. Produces large blooms naturally
on long stems. Plant growth vigorous. Early and
prolific, and in all a good dahlia. Plant, .75

PREMIER'S WINSOME (Premier 85A), 1939, Bloom
11 x 6, Bush 5½ ft. This massive variety has good
form, substance and excellent plant growth, in fact,
all the qualities of a good exhibition variety. Great-
ly admired wherever shown. Color, soft amaranth
pink with lighter shadings. Certified at E. Lans-
ing, 1938. Root, \$1.50; Pot Root, \$1.00; Plant, .75

PROGRESS (Salem 85A), 1940, Bloom 10 x 6, Bush
5 ft. An exhibition bloom of immense size and excel-
lent quality. Long, stiff and straight stems. In color,
it is soft purple or rosy mauve. The outer petals
fall back well to the stem giving the bloom great
depth. The bush is clean growing with leathery
foliage. A profuse bloomer. An Achievement Medal
winner. Root, \$3.00; Plant, \$1.00



Premier's Winsome



Carl G. Dahl

CARL G. DAHL (Hillcrest 85A), Bloom 12 x 6,
Bush 5½ ft. An enormous dahlia with petalage
somewhat loose and open. Color, apricot buff shaded
old rose on reverse of petals. Bush growth vigor-
ous, and blooms produced in profusion. One of
the strongest contenders in "the largest bloom in
the show" class. Root, .75; Pot Root, .50; Plant, .50



Lord of Autumn

INFORMAL DECORATIVE DAHLIAS—Continued

LORD OF AUTUMN (Almy 86A), Bloom 12 x 6, Bush 5½ ft. The lemon yellow flowers attain a wonderful size and depth, and the long, pointed and twisting petals with beautiful center formation remind one of a large exhibition chrysanthemum. Still a frequent winner in the showroom. Plant growth strong and sturdy, with glossy foliage. One of the largest and best of the exhibition varieties. With all its fine attributes, however, it must be understood that this variety is somewhat temperamental and will not stand adverse growing conditions. Root, .75; Plant, .50

ADIRONDACK SUNSET (Cackener-Parkway 85A), Bloom 9 x 5, Bush 5 ft. Scarlet red shading to deep yellow at tips and with a yellow reverse. Long broad petals. An attractive, showy and general all-around dahlia with a high, full center. Root, .50

ALICE MAY (Australia 85A), Bloom 10 x 6, Bush 4½ ft. Pure white with slight yellow cast at base of petals. Here is a sure winner and all-around dahlia. Stems, bush growth, placement and profusion of blooms meet all requirements. With Mother Maytrott and Mother's Day this dahlia helps to form an unbeatable trio. Universally recommended. Root, \$1.50; Pot Root, \$1.00; Plant, .50

AMERICA'S SWEETHEART (Salem 85A), Bloom 11 x 6, Bush 3 ft. Pale lemon yellow with serrated petals curled and twisted in an attractive manner. Flowers of excellent form. Takes its place with Lord of Autumn and California Idol in that trio of outstanding prize-winning yellow Informal Decoratives. Root, .75; Pot Root, .50; Plant, .50

BURGUNDY (Redfern 84A), Bloom 9 x 4, Bush 4 ft. A beautiful true purple. Bush is a wonderful grower and blooms are good form and size. Petals are notched, adding to its attractiveness. Root, \$1.00; Plant, .50

DAHLIADEL NURSERIES



CLARA BARTON (Salem 83A), Bloom 9 x 4, Bush 5 ft. Large blooms of silvery orchid color, with deep lavender reverse. A profuse bloomer, with flowers facing slightly upward. Root, .35

EVENTIDE (Hillside 85A), 1940, Bloom 10 x 5, Bush 4 ft. True purple with violet purplish shadings. A seedling of Thomas A. Edison, which retains the staghorn petal formation of its parent. Stems strong and sturdy. Certificate winner E. Lansing, '38. Must be reckoned with in the purple class. Root, \$2.00; Plant, .75

FOREST FIRE (Dahliadel 84A), Bloom 10 x 6, Bush 4½ ft. Lemon yellow near center, blending to rich scarlet near the tips of the petals, with yellow petaloids scattered throughout the flower. The combined color-picture suggested the name. Bushes stocky and strong. Does well in partial shade, but a little late coming into bloom. Root, .50

GINGER ROGERS (Burkes-Ruschmohr 85A), 1941, Bloom 10 x 7, Bush 5 ft. Deep sulphur yellow. In the class where there is keen competition. Certificate winner at Storrs and many awards elsewhere. In the Honor Rolls. Plant, \$2.50

HUNT'S VELVET WONDER (Hunt-Burnett 84A), Bloom 10 x 6, Bush 5½ ft. Deep rosy magenta blending into a true purple in color. Broad-petaled blooms of mammoth size with marked depth. Stems somewhat short to be in good proportion, but in all a striking flower. An Achievement Medal winner. Root, .50

JIMMIE FOXX (Johnson 84A), Bloom 11 x 7, Bush 6 ft. Coppery red suffused and tinged henna. A peculiar color combination which appeals to many fanciers. This dahlia is mammoth in size, with fine growth and sturdy stems. Winner of many prizes and must be considered in the largest bloom class. Won American Home Achievement Medal and Derrill Hart Medal at New York. Root, .75; Pot Root, .50; Plant, .50

MYRA HOWARD (Glutzbeck-Dahliadel 84A), Bloom 10 x 7, Bush 5½ ft. A glowing combination of yellow cadmium with gold and tints of salmon, the general effect being ochreous orange. Petaloids scattered throughout the flower. Plant growth strong and vigorous. A dependable dahlia doing well in all climates. Certified at Storrs. Root, .50

NAGELS' GIANT (Nagels 84A), Bloom 11 x 6, Bush 4½ ft. A striking rich color. Deep salmon suffused rose, shading lighter. Petals pointed. Flowers are large facing somewhat upward. Not a profuse bloomer. Root, .75

WHITE WONDER (Black-Kemp 83A), Bloom 10 x 6, Bush 5½ ft. Pure white with long, twisted petals, giving the impression of fluffiness. Bush a strong grower but joints are rather close making disbudding necessary. A very good root maker. Root, .35

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



INFORMAL DECORATIVE DAHLIAS—Continued

CHEROKEE ROSE (Ricks-Dahliadel 85A, 85B), Bloom 8-9 x 5, Bush 6 ft. Blooms profusely throughout the season, with fine stems. Bushes are strong and well branched. Does well in the South and is a good cut flower. Seedling of Jersey Beauty, and has all of its parent's good qualities. A decided change in color which is a beautiful shade of lilac pink shaded deep rose pink. Keeps exceptionally well. Root, .75; Plant, .50

FRECKLES (Kemp 85A), Bloom 11 x 5, Bush 4½ ft. Lemon yellow speckled and striped peach red. A seedling of La Fiesta. This unusual flower is a decided novelty and is a favorite with our visitors. Root, .75; Plant, .50

FREDA GEORGE (Australia 86A), Bloom 10 x 5, Bush 5 ft. Sulphury white tipped and suffused violet rose. Strong, erect stems hold flowers in good position. Bush growth strong and sturdy. Blooms are produced in large numbers and are uniform. A regular winner on the show table and generally satisfactory everywhere. A true blend of pastel shades. Root, .75; Pot Root, .50; Plant, .50

GOLDEN PRINCE (Weiss 85A), Bloom 10 x 5, Bush 4 ft. Rich gold, blended peach, giving a general effect of golden bronze. Bush growth strong and branching. This dahlia, a seedling of Jane Cowl, has never had the recognition it rightfully warrants. Many blooms all through the season. Root, .50

KEMP'S VIOLET WONDER (Kemp 84A), Bloom 10 x 5, Bush 5 ft. The predominating color of this fine dahlia is bright violet purple with faint bluish violet at tips of petals. Deep flowers of perfect form. Stems hold flowers well above the foliage. A dependable variety. Good keeping dahlia. Root, .35

MAID MARION (Southern 85A,) 1941, Bloom 10 x 5, Bush 4 ft. This dahlia won Achievement Medals in Wilmington and Baltimore in 1940, and has shown up in a number of shows the past season. Color, amber yellow shaded phlox pink and suffused mauve. It is similar to Freda George, but deeper in color. Good stems and nice form. In Johnston's Futurity. Plant, \$2.50

MILTON J. CROSS (Johnson 85A), Bloom 11 x 7, Bush 5 ft. General effect yellow with outer petals suffused rose and coral. A consistent prize winner and sturdy grower. Root, .50

PEACE (Creekside 84A), Bloom 10 x 6, Bush 4 ft. Pure white with waving, pointed petals. Flowers of good substance, and while similar to Mother Maytrott in many respects, are more Formal and not as deep. It is an early and profuse bloomer although it has a tendency to drop its petals. Bush rugged and insect-resistant. Root, .75; Pot Root, .50



California Idol

CALIFORNIA IDOL (Ballay-Success 85A), Bloom 12 x 7, Bush 4½ ft. Clear lemon yellow. Growing in popularity and winning consistently. Deep flowers of fine form with high, full centers. Produces blooms in profusion on a strong bush. Our stock is of best quality.

Root, .50; Pot Root, .50; Plant, .50

PREMIER'S MAJESTIC (Premier 85A), Bloom 10 x 5, Bush 5 ft. This variety is an attractive combination of salmon rose with a dull golden suffusion. Many blooms on strong, healthy bushes. A dahlia which is generally satisfactory. Certified at Storrs and W. Va. Root, \$1.00

ROBERT L. RIPLEY (Salem 85A), Bloom 12 x 8, Bush 6 ft. This variety is without question one of the largest varieties grown. Color, soft Rhodamine purple with deep rose pink suffusion throughout. Stems are straight and strong. Flowers have good substance and keep wonderfully well. One of the varieties which is grown by nearly every real dahlia fan. Root, \$1.50; Pot Root, \$1.00; Plant, .50

ROSE MARIE (Comstock 85A), 1941, Bloom 9 x 4, Bush 4 ft. A very pretty amaranth pink of wonderful substance. Blooms grow and develop in water. For us it is a little late, so plant accordingly. Does best using central blooms on side branches, as in Drawing X. Plant, \$5.00

WHITE ABUNDANCE (Ballego 85A), Bloom 10 x 5, Bush 6 ft. This dahlia does well for us and we can heartily recommend it. Flowers of beautiful waxy white are held well out of the foliage on strong, erect stems. Fine for cutting and exhibiting, as well as for florist work. Root, .50

WHITE WINNER (Wolfe 85B), 1941, Bloom 8 x 4, Bush 4½ ft. A commercial white with more petal substance than any other white we know of. An early and profuse bloomer, does not burn, and is most satisfactory for cutting. Long erect stems. Root, \$5.00; Pot Root, \$3.35; Plant, \$1.50



INFORMAL DECORATIVE DAHLIAS—Continued



Silver Lady

JOAN CRAIG (Chappaqua 84B), 1940, Bloom 8 x 3, Bush 4 ft. A medium sized, velvety oxblood red shading darker at center. The petals are pointed and the blooms face well and finish nicely. Early and profuse. Root, \$2.00; Pot Root, \$1.35; Plant, .75

JOSEPH E. MITCHELL (Mitchell-Ruschmohr 84A), 1939, Bloom 11 x 6, Bush 3½ ft. Soft buff blended apricot. Long, pointed petals. Bush very vigorous and in good proportion with the massive blooms. Very strong, erect stems hold flowers well. Certified at E. Lansing.

Root, \$1.50; Pot Root, \$1.00; Plant, .50

MOTHER'S DAY (Australia 85A), 1939, Bloom 11 x 5, Bush 4½ ft. A mammoth, creamy white. Came to America heralded as an exceptional white, which prediction was more than fulfilled. Bush healthy and vigorous. Flowers face perfectly on strong stems. Winner in many shows Inclined to be late coming into bloom.

Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00

NORMA MORTON (Australia 85A), Bloom 11 x 6, Bush 5½ ft. Golden yellow edged dull peach red. Flower can be grown quite large, and completes nicely to stem which is strong and erect. Bush is unusually vigorous with insect-resistant foliage. A variety you can count on.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

ROYAL PENNANT (Fenton-Kemp 85A), Bloom 9 x 5, Bush 5 ft. A true, rich purple. A distinctive color appealing to many flower lovers. Long, strong stems hold flowers perfectly. A sturdy bush with heavy foliage. Not early but satisfactory.

Root, .75; Plant, .50

SILVER LADY (Hillside 85A), 1940, Bloom 10 x 6, Bush 5 ft. Ivory white, lightly flushed and edged violet rose. Here is one of the most meritorious of the newer dahlias. As we predicted it took its place as one of the most exquisite of all dahlias, and secured more than its share of winnings. The delicate shadings seem to grow in beauty the more the flower is examined. A rugged bush, with vigorous foliage and long, strong stems add the finishing touches to a really great creation. Certified at W. Va. and recommended at Ga.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

WHITE DUCHESS (English 83A), Bloom 10 x 5, Bush 5 ft. A bold, white flower with a full high center. Petals are broad, waved and graceful. Stems strong and erect. A good grower.

Root, .35



Virginia Shipley

VIRGINIA SHIPLEY (Cory-Dahliadel 85A), 1939, Bloom 11 x 7, Bush 5 ft. A deep lemon yellow with a golden hue different from other yellows. Bush is rugged with heavy foliage repellent to insects. Blooms open Formal developing Informal. Futurity and Achievement Medal winner, '37, winning medals in New York, Detroit, Washington, Baltimore and Camden

Root, \$2.00; Plant, .75

BALTIMORE AND WASHINGTON

Baltimore again held a well-staged, well-attended and very interesting show, with an excellent Seedling Class. It is truly a pleasure to judge here as the Show is well organized and sufficient room to see all entries. The Baltimore folks are always very enthusiastic and put on a big show in a big way.

Washington was outstanding for its hospitality and cooperation. A show of good quality and very well staged. Basket arrangements by florists, a quality Seedling Class, and a well-laid out floor plan for competitive displays in all made up a very credible show for our National Capital.



INFORMAL DECORATIVE DAHLIAS—Continued

BRILLIANT LADY (Salem 83A), 1939, Bloom 10 x 6, Bush 5 ft. A big flower of French purple with reddish tinge. Stems rugged and bush a strong grower. Root, \$1.00; Pot Root, .75; Plant, .50

CLARA CARDER (Kemp 84A), Bloom 10 x 4, Bush 4½ ft. A fine flower of Cyclamen pink with petals cupped and twisted. A pastel shade appealing to many. Strong growing variety with good stems and an exceptionally good root maker Root, .35

HILLSIDE SUNSET (Hillside 85A), 1939, Bloom 11 x 6, Bush 5 ft. Deep lemon in color lightly suffused red in early season but becoming mostly golden yellow later. A rather tall bush of unusual vigor, with stems holding the mammoth blooms facing you. Scored 86 at W. Va. and winner of many awards. Stock scarce as it is a poor root maker. Root, \$2.00; Pot Root, \$1.35; Plant, .75

JIM BAXTER (Australia 84A), Bloom 11 x 5, Bush 4½ ft. A variety that grows quite large with strong stems. Color, deep phlox pink, which puts it in the lavender class. Petals rather loose and twisted in formation. Root, .50

KEMP'S RADIANT BEAUTY (Kemp 85A), 1939, Bloom 10 x 6, Bush 5 ft. A very pretty and useful bi-color of lemon yellow splashed scarlet. A seedling of Freckles. Stems strong and erect, foliage healthy. Plant, .50

MARGRACE (Hillside 85A), Bloom 10 x 5, Bush 5 ft. This dahlia is unusual in color and unique in form with good, high centers. It is a bright cardinal with a tan reverse. Excellent stems, strong and heavy. Has vim, vigor and vitality. Certified at Storrs and E. Lansing, also an Award of Honor, Ga. Root, .50; Pot Root, .50

MINNORA (Berwick-Dahliadel 83A), Bloom 10 x 6, Bush 5 ft. Color is a bright apricot suffused violet rose with a decided deep red suffusion on reverse of petals making an unusual but pleasing color combination different from other dahlias. Bush growth, stems and foliage ideal. Root, .35

RITA WELLS (Wells-Ruschmohr 85A), 1939, Bloom 12 x 8, Bush 5 ft. A newer dahlia which stands with the best. Rose buff with the reverse a subdued lilac pink. On Futurity, Achievement Medal winner and Certified at W. Va. Stems erect and bush in proportion. Has shown up well in the shows. Our stock has been carefully selected and should be highly satisfactory.

Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00

SAN FRANCISCO (Ballay 84A), 1939, Bloom 12 x 8, Bush 5 ft. A California introduction of great size and depth, which has been highly pleasing to many. Shrimp pink in color, and good stems. With us the blooms have been shy and quite late.

Root, \$1.50; Plant, .50



Katie K.

KATIE K. (Lakeside 86A), Bloom 11 x 6, Bush 4½ ft. A giant. Beautiful soft violet rose with lighter veinings. An open grower with good stiff stems and very prolific. Might be termed a less temperamental Kathleen Norris as the color is similar but bush more rugged. Certified at Storrs and E. Lansing, and a consistent winner wherever shown. Has no marked weakness and should be ranked for years as a standard.

Root, \$1.00; Pot Root, .75; Plant, .50

WATCHUNG GIANT (Smith 85A), Bloom 11 x 6, Bush 6 ft. Deep amber yellow suffused orange cadmium. An old "war-horse" which is found in many plantings, and wins consistently. Grows like a weed and is most profuse in blooms. Doesn't need pampering and does equally well in all sections of the country.

Root, .75; Plant, .50

YOU ARE CORDIALLY INVITED

Visit us at Dahliadel any time. Of course, during September and October, when our forty acres are ablaze with color, you can see and check on our hundreds of varieties. You can also visit the daily flower show at the height of the season in one of our buildings, where the Dahlia is shown in arrangements and as specimens. Many visitors are amazed at what is being done with the many types to produce pictures of startling beauty.

You may visit us at any time during the year and be assured a warm welcome. In winter our green houses, air-conditioned propagating houses, and maze of storage cellars provide interest to many.

In the spring you will find thousands of green plants in all stages of development from newly made cuttings to plants ready for shipment, and can see for yourselves the watchful care we exercise in producing the best plants possible.

If you cannot visit us at Dahliadel, we exhibit or judge at many flower shows each year, and will be only too happy to greet you then.

What we are trying to say is that Spring—Summer—Autumn or Winter we are "at your service."



INFORMAL DECORATIVE DAHLIAS—Continued



Glamour



The Universe

THE UNIVERSE (Dahliadel 85A), Bloom 10 x 5, Bush 3½ ft. A seedling of The World, a rich bright garnet. Centers are always full throughout the season. Stems erect and bush growth good. Especially recommended where seasons are short, as it develops and blooms early. Root, .50

CITY OF TRENTON (Dahliadel 84A), Bloom 9 x 4, Bush 6 ft. Bright apricot suffused gold and rose. Full centers. Strong robust bush. Root, .35

DEAN ANDERSON (Mad River 85A), Bloom 10 x 6, Bush 4½ ft. Clear, radiant coral, or peach red suffused orange. A striking color combination in a flower with massive petals, held well above the foliage on well proportioned stems. Bush is rugged with healthy foliage. A decided acquisition, and extremely popular. However, a poor root maker. Plant, .75

DWIGHT W. MORROW (Dahliadel 84A), Bloom 11 x 5, Bush 5 ft. A gigantic rich crimson red dahlia that is greatly admired. Very spectacular. This dahlia likes reasonably heavy soil, but should not be forced or over-watered. Disbudding should not be done until terminal bud is about to show color. This will insure a good stem. Root, .75; Plant, .50

GIRL OF HILLCREST (Hillcrest-Kemp 83A), Bloom 10 x 4, Bush 5 ft. An apricot buff, which is exceedingly easy to grow. Blooms profusely throughout the season. Stems are fairly good and plant well proportioned. Root, .35

GLAMOUR (Salem 85A), 1939, Bloom 11 x 7, Bush 5½ ft. An unusual color combination of purple veined violet rose. A tall, heavy grower with stiff stems. At times the color may appear dull but the flower is extremely popular with many. A Futurity dahlia, winner of many prizes including an Achievement Medal at Baltimore and Award of Honor in Georgia. Root, \$2.00; Pot Root, \$1.35; Plant, .75

MARGARET W. WILSON, Bloom 9 x 4, Bush 4½ ft. Creamy white with phlox pink reverse. Root, .35

MID-WEST CHAMPION (American D. F. 84A), Bloom 10 x 6, Bush 4 ft. Brilliant violet rose with yellow shadings at base of petals. Plant growth and stems are ideal with heavy, insect-resistant foliage. Certified at East Lansing and Storrs. Root, .50

MURPHY'S MASTERPIECE (Murphy-Success 85A), Bloom 11 x 4, Bush 4½ ft. A deep, dark red shading crimson, which is a monster and still a strong contender in the largest bloom class. A strong grower, with flowers on good stems. Stock limited as the roots are hard to winter over. Root, .75; Pot Root, .50; Plant, .50

PRIDE OF AUSTINBURG (Strassen 83A), Bloom 10 x 4, Bush 4½ ft. The unusual part of this dahlia is its color which is a soft apricot shading violet rose with a reverse shading of light purple. Blooms early on strong stems, centers full. Root, .50; Plant, .50

SUNRAYS (Straight-Ruschmohr 86A), Bloom 11 x 7, Bush 4½ ft. Adjectives fail to do this flower justice. In color it is a clear buff suffused apricot with a distinct peach red on reverse side of petals. It wins everywhere and was certified at W. Va. and E. Lansing. Name the 10 best dahlias during the past 5 years and this one wins its place on the "All-American Team." Its faults are hard to find. Root, \$1.50; Pot Root, \$1.00; Plant, .50



INFORMAL DECORATIVE DAHLIAS—Continued

ANDREE BAYSSELLANCE (Ballego 84A), Bloom 9 x 6, Bush 5 ft. A crimson carmine or rose red shading buff at tips with buff reverse. An exceptionally sturdy bush, producing large flowers of uniform size. Stems good and flowers face well. The unusual coloring makes the flower appeal to many while it is displeasing to others. Root, .50

ANNA BENEDICT (Benedict-Dahliadel 85B), Bloom 8 x 5, Bush 5½ ft. One of the most satisfactory performers in the dark red class. Stems are always good and flowers continue full throughout the season. Does not fade in full sunshine, and the petals seem immune to storm damage. Color, a rich dark garnet with black shadings near center of flower. Has had a long period of popularity and is already classed as a standard. Certified at Storrs. Root, .35

BANDOENG (Ballego 85A), Bloom 9 x 5, Bush 5 ft. Cinnamon buff suffused and shaded russet orange and scarlet. An autumn shade of a very attractive combination of colors. A strong bush, with heavy foliage and excellent stems. This dahlia is worthy of serious consideration if you desire a bronzy autumn shade and a variety easy to grow. Certified at Storrs. Root, .75; Pot Root, .50; Plant, .50

HERACLES (Bruidgom 84B), 1940, Bloom 7½ x 4, Bush 4 ft. A very pretty flower of vermillion red, with a touch of golden yellow at center. A medium sized dahlia with a perfect center, held on strong erect stems. Bush growth excellent. A fine keeper, early, profuse and excellent flower.

Root, \$1.00; Pot Root, .75; Plant, .50

JUDGE SAMUEL SEABURY (Etherington 84A), Bloom 10 x 5, Bush 5 ft. This variety has won many prizes. It is uniform in color and should please those who like soft or pastel shades. Color, flesh or amaranth pink shading to creamy white at center. Foliage rugged, stems and substance good.

Root, .35

MAN O' WAR (Boone-Ruschmohr 85A), Bloom 10 x 4, Bush 5½ ft. A rich dark carmine of fine flowering habit. Resembles somewhat Murphy's Masterpiece. A beautiful thing in the garden and we often wonder why more aren't grown. Petals pointed and bush stalwart. Root, .50; Plant, .50

MRS. GEORGE LE BOUTILLIER (Smith-Ruschmohr 85A), Bloom 11 x 5, Bush 5 ft. Any extra care pays big dividends with this beautiful carmine red dahlia. It has been shown 14½ inches in diameter. Similar in form to Murphy's Masterpiece and among the older varieties the two usually run neck and neck on the show table. It has few faults.

Root, .50

RUDOLF'S GIANT (Rudolf 85A), Bloom 12 x 7, Bush 4½ ft. Size plus depth plus tight centers plus a striking color combination gives this creation real prestige. Of live buff with apricot and pink suffusions, makes it glow in the garden. The plant is sturdy and needs no coddling. Certified at Storrs. Blooms from mid-season on. Plant accordingly. Root, \$1.50; Pot Root, \$1.00; Plant, .50



Anna Benedict



Robert Emmet

ROBERT EMMET (Moroney-Dahliadel 85A), Bloom 10 x 6, Bush 5 ft. This variety is a beautiful shade of velvety cardinal inclining to crimson. It is an open grower with sturdy, dark green, insect-resistant foliage. Blooms from mid-August until frost, stems hold flowers facing perfectly. Well grown and staged it may be entered in any show. Certified at Storrs.

Root, .35



Potash-Fed Dahlias

Our catalog of dahlias is selected with success for our customer always in mind—varieties which will grow easier, bloom more and those less temperamental under adverse growing conditions. The dahlia today is not only a spectacular exhibition flower but has almost unlimited possibilities for arrangement use and landscape effect. The Miniatures are steadily growing in popularity. We hope this catalog will help you in selecting the best dahlias for your garden.

"Potash-Fed Dahlias" is not only an established trade name, but a modern and successful method of growing dahlias so that they are literally alive with energy, assuring you of success. In South Jersey with its long growing season, well-ripened stock can be produced that will give the best possible results. We have found that dahlias grown in light soil for a period of from one to three years will do wonderfully well when moved to heavier soil conditions with no time lost for acclimation.

Most important of all is the health of stock from which your plants, pot roots or roots were grown. This condition has its direct effect on the results obtained; for an unhealthy plant cannot take up **potash**, or any other element of plant food, in sufficient quantities while in this condition. Hence, a dahlia must be healthy before it can be **Potash-Fed**. You must have the best stock that can be produced to have 100% success. Buying inferior stock at low cost is not an economical way to buy and seldom is the way to success.

CULTURAL INSTRUCTIONS

The following directions are based upon years of experience and should be of value in solving some of your cultural problems. These suggestions should be changed to suit local requirements. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

SOIL PREPARATION

The dahlia will grow and produce excellent results in a wide range of soils, other conditions being favorable. It is not so much a matter of soil type as it is conditioning. To grow exhibition blooms to perfection, the nearer soil can be to ideal the better your results will be. Soil should contain enough clay to keep the fertility from leaching and also enough sand or stones to facilitate drainage. Fifty to sixty-five per cent sand is considered ideal.

As soon as the soil can be worked in the spring, it may be further improved by a cover crop of oats and field peas. Or, better still, where winters are severe, sow rye in September or October. The green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. In New Jersey and further south, rye can be sowed after digging roots. A cover crop will add organic matter, supply humus and further adjust soil conditions. If soil is poor, a top dressing of stable or chicken manure, after digging roots, in the fall or early winter will improve growth the following year. Chicken manure, however, should be used very sparingly.

A good time to work the soil, when no cover crop

SCORING DAHLIAS

To simplify classification to size and use of the dahlia, we have scored all varieties grown at Dahliadel Nurseries according to our new score card found on page 28 and used the letter S for small dahlias normally growing under 4", classified as Miniatures; B for cut flowers or medium size blooms growing normally from 4" to 8", and A for exhibition blooms of 8" or more.

The above changes in size and the ring system of measuring dahlias have been adopted by the American Dahlia Society whereby dahlias that pass through 2, 4 and 8 inch rings will be respectively Pompons, Miniatures and Commercial or Medium class blooms, if they meet the other classifications. Dahlias over 8" in diameter are classed as Exhibition Blooms. This system should be more satisfactory than past haphazard methods. As the promoter of this idea and in order to make this system possible in all dahlia shows, we are offering to furnish, free on request, one or two sets of these rings to show managers.

Commercial varieties growing under 8" in most cases are very desirable for basket work in dahlia shows and are suitable for exhibition in the medium or commercial class designated as Class B, in dahlia shows using the new A.D.S. Classification. Exhibition varieties growing 8" or over in diameter, designated as Class A, are winners on the exhibition table, having qualities that score high in competitive judging, with size, form, stem and color predominating. The size of bloom is indicated in inches and the height of bush in feet.

is planted, is about a month before planting, digging rather deep and thoroughly breaking up all lumps. Then rake the ground over about once a week to retain moisture.

DRAINAGE. The primary factor in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils a quantity of coarse coal ashes should be dug in and thoroughly mixed with the subsoil. Then coarse manure, straw, litter or peat moss should be mixed into the top-soil. The addition of a good quantity of coarse sand will help drainage and aeration wonderfully in compact or clayey soil.

For soggy soil we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers or any coarse material that will not rot, keeping it below spading depth, then fill in top with soil mixed with peat moss, sand or the part of ashes about the size of corn or a little larger. When using peat moss, to each bale, add 4 pounds of Pulverized Limestone. This will counteract any acidity generated by the peat moss.

See "Irrigation" for Tile Drainage System.

LIMING. As a rule, the dahlia does well in a neutral to reasonably acid soil. Liming not only neutralizes acid, but makes the natural humus in the soil available as well as loosening heavy soil. Should your soil be inclined to be acid, lime applied at the rate of 1 pound to 20 to 30 square feet is a safe practice on medium to heavy soil every 3 or 4 years. However a pH test is advisable.



FERTILIZER

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones most lacking.

Nitrogen stimulates the growth above ground, producing large bushes and flowers, but if used to excess the flowers will be soft, wilting readily, and the bushes will be overgrown and lower the vitality of the roots. Nitrogen is found naturally in humus (decomposed vegetable matter or manure). It can best be supplied in animal matter, such as bone meal, tankage or manure.

Phosphoric acid increases the root development, especially the laterals and fibrous roots, strengthens the plant growth and gives substance to the bush and flowers. It also aids in ripening the roots. This element is found in bone meal, tankage and acid phosphate, with a small amount available in manures.

Potash is the balancing agent for nitrogen and phosphoric acid. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished roots. This is found in wood ashes, muriate or sulphate of **potash**.

Fertilizer to be applied before planting. Scatter broadcast after spading and mix thoroughly into the top-soil to every 100 square feet of ground or to each 10 dahlia hills.

5 lbs. raw bone meal.

- [10 lbs. Unleached wood ashes, or
- 1 lb. Muriate or sulphate of **potash**, not both.

An additional 5 lbs. bone meal may be spaded in with or before the above application if ground is very poor.

Fertilizer or top dressing to be applied about August 15. Scatter broadcast over ground, not closer than 6 inches nor more than 18 inches from the stalk and rake in, to every 10 hills.

- [1½ lbs. Raw bone flour, or
- 3 lbs. Raw or steamed bone meal, not both.
- [1½ lbs. Animal tankage, or
- 4 lbs. Sheep manure, not both.
- [5 lbs. Unleached wood ashes, or
- ½ lb Muriate or sulphate of **potash**, not both.

Manuring is not necessary, even in light soil, if the above formula is used, but an application of horse or cow manure or compost in the Fall is very good for soils lacking humus. This can be used as a top dressing for a cover crop, or dug in by shallow spading in the Fall to help decomposition, then spaded in deep about two weeks before planting.

Don't use nitrate of soda as a fertilizer. Don't try to grow exhibition blooms by forcing the life out of your stock with sheep or any other manure and expect your stock to do well for you the following year without balancing your plant food with phosphoric acid and **potash**. Exhibition blooms and good roots can be grown at the same time from green plants as well as from roots and pot roots by following our cultural instructions.

PLANTING

WHERE TO PLANT. In selecting a location for dahlias, it is essential to have a free circulation

of air for healthy plant growth and to prevent mildew. Dahlias need direct sunlight at least 3 or 4 hours, preferably 6 to 7 hours, each day and should not be planted near large trees or dense shrubbery which would shade the plants and use moisture and plant food.

WHEN TO PLANT. Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north, where hot summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. Should the top growth be over 6 inches at time of planting out it would be well to top out, leaving preferably two nodes above the ground, see P on Drawing X. When green plants are grown in 2 to 2½-inch pots, as soon as a good root growth is developed they should be re-potted in 3 to 4-inch pots and pinched out at time of re-potting.

HOW TO PLANT. When planting large flowering dahlias, the rows should be from 4 to 5 feet apart, or from 6 to 10 square feet should be allowed for each plant. A novel way to plant is to place your stakes 4 x 5 feet apart, and plant a root or plant at each side of the stake so that stalk will be about 2 inches from the stake. This will allow better air condition and more room for cultivation. Varieties will not mix by growing them together and should one plant fail, there will be no blank spaces. However, care should be exercised in not planting a strong rapid grower at the same stake with a slow or dwarf growing variety. Bush heights should be about equal.

Do not plant roots or plants in or over hot manure or any quantity of compost. Although practiced by some, we do not recommend the use of any potato, dahlia fertilizer or bone meal in the hole directly under the dahlia root or plant, as there is too much danger of injuring the tender feed roots, but rather suggest a broadcast application, as recommended above after spading. The stunt in dahlia plants can often be traced to the burning of the feed roots caused by excessive chemical feeding.

ROOTS should be planted in trenches or holes, 4 inches deep in heavy soil and 6 inches deep in sandy soil, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor, keep a furrow open between rows to facilitate drainage in wet weather, or cover sufficiently so that water will not stand in the vicinity of the root.



POT ROOTS, as described on Page 1, should be planted as you would roots. Do not divide the small clumps and preferably allow only one stalk to grow, never more than two. Pot roots and plants are especially desirable where the growing season is short, or where dahlias are to be used in beds following early flowering bulbs, and may be potted in 3" or 4" pots to be well-started before planting.

ROOTED CUTTINGS should be ordered for delivery 15 to 20 days earlier than plants, and you should have a cold frame, sufficient 2 1/4" to 3" pots and suitable potting soil along with some knowledge of their care. We follow through the behavior of DahliaDel root divisions, pot roots and green plants but on rooted cuttings we can only guarantee delivery in good condition and to be true to name because the care and attention given a plant from potting to hardening off for planting out is the making or breaking of the vitality of your stock, and this responsibility of necessity is yours.

GREEN PLANTS. After removing moss and paper pots from plants that have been shipped, moisten ball of dirt if partially dried, then plant them with the top of the ball of dirt about 3 inches below the ground level and cover the top of the ball of dirt 1/2 to 1 inch. In locations where there is danger of flooding or poor drainage, do not plant quite this deep. Water thoroughly once if ground is dry and then protect with open basket or open crate for a few days as partial protection from the sun and wind, covering only when protection is needed. Then start cultivating. Fill in gradually as the plant develops. For cut worms, scatter poison bait the evening of planting. See "Cutworms."

Where dahlia plants are to be set in heavy soil, it is advisable to at least prepare the hill by mixing sand or the medium coarse part of coal ashes into the ground where the plant is to be set. The dirt can be washed off the roots and the roots straightened out, which will, however, check the growth of the plant a week or more and we do not recommend this practice. Plants will make better bushes and clumps in heavy soil if hills are prepared, but it is not at all necessary in light soil.

It is best to set plants without pinching back to get feed roots started especially when they have been shipped a distance. After the plants have established themselves you can top back with safety.

Where dahlia plants are grown with only a reasonable amount of fertilizer and water, they usually make better roots than when grown in the midst of plenty. To produce roots on plants, use a balanced plant food, as recommended under **Fertilizer**, but not to excess, and water only when necessary to produce a good, healthy, but not soft growth. When setting plants the last of June for September blooms, we recommend disbudding, according to Drawings X, Y and Z. When planting a month earlier it will be necessary to cut the **fast growing varieties** back severely about six weeks before you want blooms, leaving about one-half the growth and not more than six laterals for the first blooms. Then disbud these as shown on Drawings X or Y, as soon as branches develop sufficiently. This cutting back will give the plant an over supply of feed roots, which will start root production at once, giving you more mature roots in the Fall.

In growing DahliaDel green plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

PINCHING OUT and DISBUDDING

PINCHING OUT is indicated on Drawing X and Y at P and P2, first and second pinching out, respectively. We recommend this system for most varieties. The smaller a plant is when pinched out, the quicker it will heal and branches develop.

Allow only one main stalk to grow (never more than two). Pinch out the crown or center above the second pair of leaves. The principle of taking out the center is to develop the eyes, which are located at the base of the leaves. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or branches on most varieties should be pinched back again, P2 unless they are short stemmed varieties. In that case, they should be side pruned as indicated at F in Drawing Y, leaving not more than one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with those above. These stems should bear the first four or six flowers.

DISBUDDING, as indicated by T in drawings, is the pinching or rolling out of the small bud growing at the base of each leaf. These can be cut out with a pointed knife if they have developed considerably before disbudding.

When the terminal bud on each of the stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the branches which should



Drawing X is recommended for most large flowering varieties under normal growing conditions.



be allowed to grow to form later flowers. Leave only one side shoot as shown in Drawing X or one to two shoots on Drawing Y, should you desire very large flowers. These new branches should be handled as the previous set as soon as they have developed sufficiently.

All of the disbudded stem should be cut with the flower, when following X or Y. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop, also aiding in root development.

Should you fail to pinch out when plants are small, it will be necessary to use system shown on Drawing Z or exercise care with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. These openings can be stopped up with wax, plaster paris, or capped with cellophane. Should water get into the stalk, slit the stalk just above the node with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of two weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circulation and sunlight. Without plenty of air and sunlight your blooms cannot be fully developed and your foliage will be easy prey to mildew.

Pinching out once is best for varieties that branch readily, while pinching out twice will prove advisable on varieties that grow main branches rapidly and develop lower branches slowly.



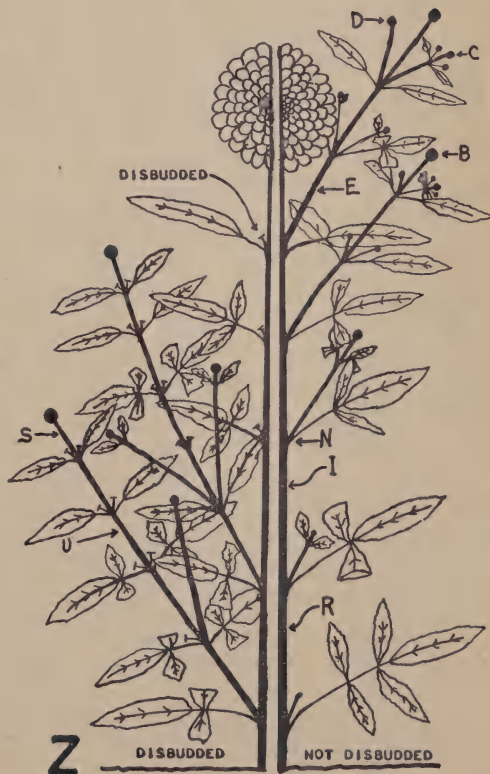
Drawing Y differs from X in that it is for a variety that is known as a crotch bloomer, or for a variety with short stems where the flowers are often down in the foliage. This is easily handled by side pruning, as indicated at F, using the secondary ter-

minal bud instead of the first terminal bud for your bloom. The **right side** of drawings X and Y shows **natural growth** after pinching out twice, which is not desirable except for mass color in landscape effects.

Key Letters to Drawing

- B Terminal Flower Bud
- C Secondary Terminal Bud
- D Lateral Bud
- E Branch
- F Side Pruning, removing B and D
- I Internode
- L Lateral Branch
- N Node
- P Pinched out once
- P2 Pinched out twice
- R Stalk
- S Stem
- T Where shoot or bud has been removed
- U Stem Stalk

These drawings are made with the hope of making disbudding easier. The **left side** of each drawing shows half of the plant **disbudded**, while the **right side** shows the normal development of branches and buds on the same plant when **not disbudded**.



Drawing Z is another system, which is recommended for some varieties but can be used for most dahlias (except crotch bloomers) should you desire to see one early bloom. Our reason for not recommending this is that dahlias are not at their best in



the hot weather and this one bloom is not always up to expectation. Again, the right half shows normal branch and bud development when not disbudded, with most of the growth in the top of the plant. There are, however, a few varieties that need the mature foliage on the main stalk to keep the roots functioning properly, so when removing this crown bloom leave the central stalk and leaves on the plant but disbud the entire stalk, as shown on the left half of drawing.

Key Letters Used in Index

The key letter ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed.

V Do not disbud. For early blooms pinch out once or twice as indicated on right side of Drawings X and Y. For later blooms, cut back to about 6 inches above ground 6 weeks before you want blooms when growing in light soil, in heavy soil allow 7 to 8 weeks. Always leave the side shoots or branches to come into bloom. This system works very well for the smaller type dahlias; such as Miniature, Pompon, Single, Orchid Flowering, Anemone, and Collarette; also for the larger dahlias when grown for mass color and landscape effects.

W Cut back six weeks before you want bloom leaving about six small branches for your first six blooms and disbud as soon as laterals are large enough by following Drawing X if stems are naturally long, and Y when stems are short.

X, Y, Z See Drawings.

IRRIGATION

When your dahlias need water, wet the ground so it will penetrate about a foot deep when growing in light soil. In heavy soil, watering need not be as heavy, as it may be followed by rain and overwatering may result. Cultivate as soon as sufficient drainage has taken place, and do not water again until necessary, a good watering should last about a week.

Except as recommended below for insect control, do not spray your dahlia bushes, or sprinkle the surface of the ground every night or so, for this will only pack the surface, preventing air circulation and causing the soil to crust and dry rapidly in the sunshine. This also draws the feed roots to the surface, to be sickened by the heat of the sun's rays. The flowers produced are soft and the root development very poor, low in vitality and hard to winter.

Automatic overhead irrigation is the most satisfactory all-around system for light soils. It is ideal for the early growing season and we recommend its use in the middle of the day in bright sunshine during this period, as it will discourage thrips and leaf-hoppers, and control red spider. If insects are bad, we recommend sprinkling every two or three days from 1 to 1½ hours each time until insects are under control, then harden the plants off with less water and more cultivation. This will not only discourage in-

sects but help the plants out-grow the insect injury. When bushes are well developed and buds breaking it is best to water after nightfall, less often and more thoroughly. Once a week should be sufficient in real dry weather.

TILE DRAINAGE can be easily and inexpensively installed in heavy soil for irrigating in dry weather and afford drainage in wet weather. Arrange your rows of dahlias with natural slope and where each row of dahlias is to be planted, dig a trench about 15 inches deep and place in it a row of porous drainage tile with a uniform fall toward the low end. Connect the rows of tile across at top and bottom (glazed sewer tile tees suggested), install a gate valve at the low corner, and pipe off so that the water will readily drain away. On the high corner of your garden, install a vertical tile stand pipe in which a float valve or hose can be used for filling. In wet weather, leave the gate valve open to drain. In dry weather, close the gate and run water in stand pipe until you have given your dahlias a good drink by sub-irrigation. This system can be made still more efficient by filling in around the drainage tile with coarse porous material, such as coarse ashes, or coarse sand, before filling level with regular garden soil. This installation will not be unsightly and last indefinitely.

CULTIVATION

By cultivating at least once a week, twice preferably in the early season, and as soon after rain or irrigating as the ground can be worked, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hills for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant each cultivation, giving the plant a new supply of food and protecting the surface roots from the heat of the sun. Have the hills mounded 3 to 5 inches by the middle of September. This will help support the stalks and protect the roots from freezing should an unexpected cold spell catch you before digging.

PESTS

THRIPS are tiny insects which in the nymph stage are less than 1/8 of an inch long and a greenish gray color. They enter the growing leaf bud and chafe the newly formed leaves, injuring them so that they develop malformed and curled, also injuring the small flower bud and stem. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only debilitated by insect ravages.

LEAF-HOPPERS are larger than thrips and of a pale yellowish green color, a little over 1/8 of an inch in length. They fly when the bush is touched



during the heat of the day. These sucking insects do much to keep a plant from getting a good start.

APHIDS (plant lice) are soft-bodied, sucking insects which usually work on the under side of the leaves in groups, causing the leaves to curl. Thrips, leaf-hoppers and aphids are possible common carriers of virus diseases and should be kept in control for this reason, if for no other.

CONTROL. We recommend the following spray. For thrips and leaf-hoppers use 2/3 oz. (4 teaspoonfuls) of Pyrethrum Soap to 1 gallon of water, with the addition of Black Leaf 40 at the rate of 1 to 2 teaspoonfuls to the gallon of spray, according to the ability of different foliage to resist burn. This kills not only by asphyxiation, but also by the toxic action of the pyrethrum.

For plant lice use 2 teaspoonfuls Pyrethrum Soap to 1 gallon of water. Black Leaf 40 is not necessary.

Should a bush be infested with ants, spray bush and pour a few quarts of the Pyrethrum Soap spray Japanese beetle strength down the ant hill, or enough to fill the hill. This will do the dahlia no harm, but will kill the ants.

Do not mix more than you are going to use the same day. This spraying can be done at any time of day regardless of weather conditions, except rain.

Another control of thrips, leaf-hoppers and aphids is dusting with a good 3% nicotine dust. Apply in sunshine with temperature above 70 degrees at weekly intervals as a preventative from the time the plants are set or roots start to grow, and if any should appear then about every four days until they are controlled. For small plants a paper funnel on the end of the duster spout, held over the plant for about one minute when dusting, will increase the kill materially.

During windy weather when dust cannot be applied to advantage, overhead sprinkler used during the heat of the day will control red spider and check the leaf-hoppers and thrips. See "Irrigation."

By dusting or spraying before the presence of insects, it is doubtful if you will see any. As it is difficult to procure nicotine dust and pyrethrum soap in most localities, we are listing them under "Dahlia Growers' Supplies." Page 48.

INSECT CONTROL WITH A HOZE GUN is as simple as watering your garden. We have found this cartridge spray method very effective in the greenhouse as well for the control of Thrips, which are one of our most stubborn pests. A complete line of Insecticides and Fungicides is available, so practically all pests and fungus diseases can be controlled. It is the easiest way to spray of any method we have tried where a hose pressure of 35 lbs. or more is available. We find this method most efficient by using two cartridge chambers, making the spray double strength. Full directions are supplied with each outfit. Descriptive pamphlet on request. See Hoze Gun listed on Page 48.

RED SPIDER in late years has caused considerable damage to dahlias. This insect is barely discernible with the naked eye and works with such rapidity that you may have a row of dahlias today and within a few days or a week all the lower leaves

will be as brown as cured tobacco leaves. There will be a very fine white web in evidence on the under side of the leaf. These insects multiply very rapidly in dry, hot weather, do not like strong air currents, and cannot stand cold water, especially applied with pressure. Syringing or spraying will help in their control. A spray of 1 to 1 1/2 level teaspoons of Colloidal or wettable sulphur to 1 quart of water will be found very effective, and two sprays two or three days apart should clean up the infestation entirely.

CUT WORMS are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar (dissolved).

1 level teaspoonful of paris green mixed in.
Juice of an orange or equivalent in water.

1 quart of bran or enough to make a reasonably dry mash.

COMMON STEM OR STALK BORER. This black-and-white striped worm when small enters the stalk just above the ground and usually works upward. It will be noticed in the early season by the shortening of the internodes and later on by wilting. When noticed early, cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September. Wax, plaster paris or cellophane may be used to fill or cover the opening in the stalk after borer is out, so water will not get in and rot the plant. Should a plant be too large to cut back when borer is discovered, use pyrethrum soap at strength of 8 teaspoonfuls to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.

EUROPEAN CORN BORER. This is a serious pest when infestation is heavy. This borer when very small enters just above the leaf bracket and eats out the inside of the node, weakening it so the first storm snaps off the stem. All weeds, corn or dahlia stalks should be either destroyed or dug in before May 1st as a precaution.

The U. S. Dept. of Agriculture Bureau of Entomology and Plant Quarantine of Washington, D. C. has accomplished much in research and development of control methods, and will forward you bulletin on **Protection of Dahlias from Infestation by the European Corn Borer** on request.

The New Jersey Agricultural Experiment Station of New Brunswick, N. J. has issued a bulletin on **Protecting Dahlias from Corn Borer Injury** which will be mailed on request.

FOR CORN BORER DUST made according to U. S. Dept. of Agriculture formula, see page 48.

STUNT. In all our years of experience with dahlias, we have dug and destroyed all unhealthy stock, and the results are most gratifying. This is properly



called rogueing. As there are a number of reasons why a plant should stunt, it is hard to tell the exact cause. However, we do know that rogueing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions:

First: From the lowered vitality as a result of poor culture, lack of cultivation, etc., or forcing the stock with manure and water the previous season.

Second: The ravages of attacking insects, thrips, leaf-hoppers, red spiders, stem borers, etc.

Third: The rotting of the feed roots caused by chemical burn, too much water, where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug out and destroyed. Our many years of this practice leaves us less than 1 per cent to dig annually on most varieties.

MILDEW. Gray spots on the leaves sometimes covering the entire leaf are the results of the growth of fungus spores known as Mildew. This is a result of a condition—lowered vitality—caused by lack of or an oversupply of water, planting too close without proper air circulation, or extremes. These adverse growing conditions are conducive to Mildew.

Spray with plain Bordeaux Mixture as prescribed on package once a week, preferably before the spots appear.

CUT FLOWERS

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds of the large varieties, if not disbudded. Immediately put in water in a cool dark place to freshen for a few hours.

Hot Water Treatment—Cut and freshen as above then put stems in 1 inch of water, almost boiling, for 1 to 2 minutes. Then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. If necessary to completely freshen flower, repeat this operation but cut off discolored end of stem before again placing in hot water.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING and STORING

After the first killing frost, cut off the tops at the ground and allow a few days for the stalks to bleed out before digging. Care should be exercised so that

the necks of the tuberous roots will not be broken. Loosen the roots by prying with a garden fork thrust in the ground about a foot from the crown, preferably all the way around, before attempting to remove clump. Two forks, if available, are even better. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the roots. Dry in the sun a few hours, and your clumps are ready to store.

A root or white potato cellar is preferable with a temperature of 40 to 45 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a tight box in practically dry sand, ashes, or peat moss.

When packing in dry material, such as peat moss, care should be exercised, first, not to allow clumps to sit around and shrivel before packing away, but pack away the same day as dug if you are using dry peat moss as it comes from the bale. Second, do not use more peat moss than necessary to just barely cover each layer of clumps before putting in the next layer. The reason for this precaution is that all root crops sweat when taken into storage. The purpose of the peat moss is to absorb this sweat and conserve it for later on when the roots need it. Therefore, too much peat moss will cause your roots to dry out.

After the roots are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in 1 part sulphur and 2 parts finely ground gypsum, and pack them back again as before. Should the roots show signs of shriveling, place dampened peat moss over the top of the box to prevent further drying.

Dahlia roots air-dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened, and not frosted.

DIVIDING CLUMPS

Dahlia clumps can best be divided with the aid of double cutting pruning shears and a pruning knife. Broken necks and fibrous roots should first be removed as the eyes are on the crown and never on the root proper. Then proceed to divide with shears or knife. Care should be exercised to have a piece of crown with an eye on each one or two roots. Clumps should never be planted without dividing.

WHEN TO DIVIDE. For the amateur in this latitude, clumps are better not divided until early April when the eyes should appear if crowns have kept well up to this time. Clumps can be divided in January and February but on early dividing it is not advisable to cut apart to single root divisions, but rather divide a clump into two to four pieces, dipping cut portion as recommended above and repacking as before, changing moisture content to correct either drying out or too much moisture which may have started eyes developing too rapidly.



DAHLIADEL NURSERIES

FORMAL DECORATIVE DAHLIAS

DEMOCRACY (Wiegand-Dahliadel 84A), Bloom 9 x 6, Bush 4 ft. Deep primrose yellow shaded golden yellow. Flowers can be grown for exhibition on the central branches of the bush and as a cut flower on the side or lateral branches. Strong, straight stems, full centers, healthy foliage, early and profuse bloomer. Certified at Storrs. Root, .50

HILTONIA APRICOT (Australia 84A), Bloom 11 x 7, Bush 4½ ft. Color deep apricot with lighter shading. A massive Formal that has been well recommended. Long erect stems. Inclined to be late, so plant accordingly. Root, \$4.50; Plant, \$1.50

MARY ELLEN (Loller 83A), Bloom 10 x 5, Bush 5½ ft. A seedling of Mrs. I. de Ver Warner, and like its parent has similar plant growth. In color it is violet rose with a leaning toward mauve pink. Flowers easily attain good exhibition size. Bushes sturdy and well proportioned. Blooms are medium late Root, .50

OAKLAND BEAUTY (Sjoberg-Mad River 84B), 1941, Bloom 8 x 5, Bush 4½ ft. Introduced as an improved Miss Oakland, but we are not saying. The bloom has more substance but is not as clear a white for us. Shy early, but good late in the season. Centers good throughout.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

PURPLE MIST (Emmons-Ruschmohr 85A), Bloom 10 x 5½, Bush 5 ft. In color a purple garnet similar to Thomas Edison. Strong, sturdy stems on a bush which is extremely rugged. Foliage thick and dark green. Flowers keep marvelously well. Achievement Medal winner and certified E. Lansing.

Root, .75; Pot Root, .50; Plant, .50

SANHICAN'S CAMEO (Sanhican 83A), Bloom 10 x 5, Bush 5 ft. Cameo pink, shaded mallow pink on reverse of petals, which gives it a distinctive color. Bush growth is very sturdy and flowers held well on long stems. Root, .35

SULTAN OF HILLCREST (Hillcrest 84A), Bloom 11 x 6, Bush 3 ft. The unique form with the petals recurving to the stem immediately attracts attention. Huge blooms of lemon yellow with reverse of rosy pink on strong stems give an unusual color effect. A dahlia that will stand extra feeding. Certified at Storrs. Root, .50

THOMAS A. EDISON (Dahliadel 84A), Bloom 9 x 4½, Bush 4 ft. Impressive blooms of staghorn formation. In color a royal purple or petunia violet. Stems are exceptionally strong and the bush makes a thrifty growth. Edison grows rather slowly and appreciates extra culture and fertilization. Grow according to Drawing Z. Its many awards compare favorably with any dahlia in commerce.

Root, .50

WHITE PROLIFIC (Williams-Dahliadel 84B), Bloom 6 x 4, Bush 4½ ft. A satisfactory cut flower or commercial white. This one is early, branches well, has good stems and is prolific with blooms. The blooms are of good form with tight backs, and the petals are nicely serrated. Might be termed the "cut and come again dahlia."

Root, .25



Purple Mist



Golden Bounty

GOLDEN BOUNTY (Chick-Dahliadel 85A), Bloom 9 x 6, Bush 4 ft. Rich lemon yellow flowers on sturdy, compact bushes with foliage resembling holly. Blooms are so deep and full they revert to the stem. Bush easily grown and produces an abundance of blooms from early until late. While the stems are somewhat short in field culture, this variety grows taller in the garden and gives universal satisfaction. A favorite with our customers.

Root, .50



Red Salute

FORMAL DECORATIVE DAHLIAS—Continued

RED SALUTE (Salem 85A 85B), Bloom 8-9 x 6, Bush 5 ft. Formality characterizes this sturdy variety. In color the blooms are a bright cardinal red, and are produced in profusion. Bush "has what it takes" to stand adverse growing conditions, and produces its blooms from early until late. A good root maker. **Root, .50; Pot Root, .50**

DAHLIADEL GOLD (Dahlia del 83A), Bloom 11 x 5, Bush 4½ ft. Mammoth blooms of golden yellow lightly suffused coral, somewhat darker at center. Bush growth is robust with dark leathery foliage. Do not overfeed this variety, particularly with nitrogen, or the stems will not properly support the heavy blooms. **Root, .50**

FRANCIS LAROCCA (Rindfleisch 84B), Bloom 6 x 3, Bush 4½ ft. Pale sulphur yellow, very satisfactory as a cut flower. Blooms profusely on good stems. Vigorous grower. **Root, .25**

HONEY DEW (Greenough 83A), Bloom 10 x 6, Bush 5 ft. Soft pink overlaid yellow and cream. Tremendous bush growth and massive flowers. For those who like pastel shades and vigorous strength in the bush, this variety fills the bill **Root, .75; Plant, .50**

KENTUCKY SUN (White 84B), Bloom 7 x 5, Bush 4½ ft. Although we have other yellow Formal Decorative dahlias, this clear, light lemon yellow variety just seems to grow and produce quantities of large uniform blooms. Strong stems. Glossy green foliage. Withstands a lot of adverse conditions. Achievement Medal winner **Root, .35**

MARYLAND GLORY (Maryland 84A), Bloom 9 x 5, Bush 4½ ft. A satisfactory and popular variety. Blooms from early until late. Perfect blooms of Tyrian rose shaded crimson carmine, borne in profusion on good stems. A fine strong grower. **Root, .35**

DAHLIADEL NURSERIES



MONARCH OF THE EAST (Almy 84A), Bloom 11 x 5, Bush 5 ft. A giant dahlia on sturdy tree-like bush. Has been grown as large as any. The color is light rich cadmium yellow with coral red shadings on reverse. Certified at Storrs. **Root, .75; Plant, .50**

MRS. I. DE VER WARNER (Marean 80A), Bloom 10 x 3, Bush 6 ft. The grandmother of many of our best dahlias. For over 20 years in commerce, and with Jersey Beauty probably shares the widest distribution. Bright lilac rose in color with weed-like growth. **Root, .25**

VOLCANO (Richwood 84A), Bloom 11 x 7, Bush 4½ ft. An orange flame red which holds its color in the sun. Foliage is heavy and leather-like. A contestant in the largest bloom class. Has given satisfaction wherever grown. With its other attributes, it keeps well and has perfect stems. **Root, \$1.00; Plant, .50**

WOTANA (Mountford 84A), Bloom 10 x 5, Bush 6 ft. A massive flower of orange and buff. Giant bush of unusual vigor, with healthy rugged foliage. Color particularly fine in uniform blooms. Stems seem at times a little weak to support such large blooms. **Root, \$2.00; Pot Root, \$1.35; Plant, .75**

Varieties on this as well as other pages in this catalog are the same form bloom as illustration

DAHLIADEL SCORE SHEET (New)

NAME Type.....

[] Landscape—Originator Color.....

Small Medium Large

S..... B..... A.....

20.....20.....20 Color + Clear + Bright + Attractive + Useful
-4 Muddy -2 Dull -3 Fades -3 Burns

15.....15.....15 Form + Uniform + Artistic + True to type
-4 Deformed -2 Ordinary -2 Varying

5.....5.....5 Distinctiveness in Form, Color or other quality
(Superior or different from existing varieties)

3.....0.....10 Size (Disbudded Diameter . . . x Depth . . .
(Natural) . . . x . . .

20.....20.....20 Stem + Strong + Erect [] + Long + Graceful + Proportion
T \ / -3 Weak -3 Crochy -3 Crooked -3 Poor proportion

15.....15.....20 Foliage + Health-Vigor + Rugged + Proportion
& Bush -5 Poor-Weak -3 Succulent -3-Poor pro.

12.....15.....10 Substance Petals + Firm + Thick + Back good
-3 Soft -2 Thin -2 Wilt -2 Fall

10.....10.....0 Floriferous + Profuse + Early

[].....[]..... [Uniformity Bench] -3 Shy -4 Late

S..... B..... A Total Score Bush height.....Ft. Pinched back

Color Description



FORMAL DECORATIVE DAHLIAS—Continued

AMERICAN VICTORY (American D. F. 85A), 1940, Bloom 10 x 6, Bush 5 ft. Rich oxblood red. A solid color extending through the petals. This means it stands the sun without shading. A splendid bush with dark green foliage. Strong, well proportioned stems. Achievement Medal winner. "Very good" and "extra good" appear on our own field notes. **Root, \$2.00; Plant, .75**

AZTEC CHIEF (Comstock 83A), 1940, Bloom 11 x 6, Bush 4½ ft. Tomato red shading to scarlet and peach red. Sturdy bush and good stems. **Root, \$2.00; Pot Root, \$1.35; Plant, .75**

BLUE RIVER (Salem 85A), Bloom 9 x 3, Bush 4 ft. Almost blue as it is deep lilac or bluish mauve. Fine bush and strong foliage. Certainly distinctive in color and quite popular, and wins consistently. **Root, .50; Pot Root, .50; Plant, .50**

CLASS (Salem 85A), 1941, Bloom 11 x 6, Bush 3 ft. A fine exhibition Formal yellow. It has form and size but must be grown under favorable conditions as an exhibition dahlia to attain its size and perfection. Bushes compact. **Plant, \$2.50**

DEMOLAY (Dahliadel), 1941, see inside back cover.

JEAN KERR (Burpee), Bloom 5 x 3, Bush 4 ft. A profitable white for a cut flower. Bushes compact with blooms held well above the foliage on good stems. Always in bloom. **Root, .25**

MISS OAKLAND (Oakleigh-Lakeside 85A 85B), Bloom 8 x 5, Bush 4½ ft. There are few good white Formals suitable for exhibition. This is decidedly even and uniform and a good, clear white. Long, erect stems with leathery, insect-resistant foliage. Certified at East Lansing and at Storrs. **Root, .50; Pot Root, .50**

MRS. JAMES ALBIN (Badetty 84B), 1940, Bloom 6 x 3, Bush 5 ft. Soft lemon yellow. Strong bush and excellent foliage. Did well at Storrs in '39. As a yellow commercial we like it. **Root, \$1.50; Plant, .50**

OAKLEIGH MONARCH (Oakleigh 83A), Bloom 10 x 6, Bush 5 ft. Blood red flower which has done particularly well in the South. Stems strong and erect and flower easily attains exhibition size. A variety that does best in garden culture and will stand feeding. **Root, .50**

OMAR KHAYYAM (Stout-Dahliadel 83A), Bloom 9 x 5, Bush 6 ft. Still a favorite with many. The unusual coloring is a Chinese red, shading to a bright orange and tipped lighter, making a wonderful soft color effect. It is a tall, healthy grower, with strong foliage and a good root maker. Cert. at Storrs. **Root, .35**

PIUS XI (Europe 84B), Bloom 7 x 4, Bush 4 ft. A true bi-color majestic in its beauty and well named. A rich clear yellow with distinctly white tips. An occasional flower self-colored. Bushes, however, are inclined to be temperamental, a percentage showing lack of vigor. **Root, .50**



Darcy Sainsbury

DARCY SAINSBURY (Australia 86A 85B), Bloom 8-9 x 4, Bush 5½ ft. This creamy white has rapidly become a standard for others to follow. Produces nearly perfect blooms, sometimes leaning to the Informal, on bushes which meet all requirements. Stems are good and hold flowers facing. This white does particularly well in the South as it stands heat well. One of the very best Australian introductions and highly recommended. This variety can be grown to exhibition quality, either over or under 8 inches **Root, .75; Pot Root, .50; Plant, .50**

RUTH NICHOLS (Sowton-Mad River 85A), 1941, Bloom 10 x 5, Bush 3½ ft. There is room for a good lavender Formal on the show table, and this variety should qualify. A beautiful shade of amaranth pink, with a tinge of phlox purple. Form and rugged bush are admirable. **Plant, \$2.00**

VICTORY (Asther-Ruschmohr 85A), 1940, Bloom 10 x 6, Bush 4½ ft. Rose pink suffused gold. Here is a real knockout for sheer beauty. Flowers keep well and stem and bush growth excellent. Probably the most beautiful pink Formal Decorative to date. **Root, \$3.00; Pot Root, \$2.00; Plant, \$1.00**

SCRANTON AND PEEKSKILL

Scranton's Show in 1941 was much finer than in 1940 and that means plenty. The quality of blooms was excellent and classes were uniformly well filled. The Court of Honor was a knockout and forced the judges to proceed very carefully. Our varieties "Snowcrest" and "Marietta E." did themselves proud. Peekskill—"You ain't seen nuthin 'till you've seen Peekskill" was as true in '41 as in other years. Quality blooms with all that implies. Of course we weren't exactly displeased that a bloom of our "Mother Maytrott" won out as largest and best in the show. A fine crowd of real Dahlia growers.



Haslerova

FORMAL DECORATIVE DAHLIAS—Continued

HASLEROVA (Svajner 85B), Bloom $7\frac{1}{2} \times 4$, Bush 5 ft. Delicate lavender almost white flecked and spotted French purple. An "oh" and "ah" flower with our visitors. A true bi-color and as striking as any. Stem, foliage and bush growth very satisfactory. This variety is well worth a place in any planting. **Root, .75; Plant, .50**

BEETHOVEN (Bruidegon 84B), 1941, Bloom 5×3 , Bush 4 ft. An intense violet rose, which is most attractive and admired by many. It is an unusual color and blooms profusely. **Root, \$1.50; Plant, .50**

BLUE JERSEY (85B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. A sport of Jersey Beauty with all of its parent's growing qualities, the only difference being its color, which is a soft Tyrian rose. This brings it into the Lavender class. **Root, .50; Plant, .50**

CAVALCADE (Fenton-Dahliadel 83A 84B), Bloom 8×5 , Bush $5\frac{1}{2}$ ft. In form and bush growth this dahlia resembles Jersey Beauty. It is, however, larger and two or three shades darker. Fine for home and florist use as it is a decided change from Jersey Beauty in a rich, deep rose with tones of rosy magenta. A good root maker. **Root, .35**

DEEP PURPLE (Stephenson-Ruschmohr 85A), 1940, Bloom 11×7 , Bush 5 ft. Probably the largest, true purple Formal developed to date. Certified at Storrs and E. Lansing, '39. Blooms borne erect on stiff stems, with flowers facing the side. Dark, leathery, insect-resistant foliage. A big fellow that must be reckoned with on the show table, but inclined to be rather late with us. **Root, \$4.00; Pot Root, \$2.75; Plant, \$1.50**

DAHLIADEL NURSERIES



ELITE GLORY (Kennedy 83A), Bloom 10×4 , Bush $4\frac{1}{2}$ ft. A "long term" dahlia which is still popular and still good. Color, rich red. Blooms large, of good form and substance and held erect on strong stems. Blooms medium late. **Root, .35**

GRACE (Bibbs 84B), Bloom $6 \times 2\frac{1}{2}$, Bush 5 ft. A very free blooming dahlia similar in form to Jersey Beauty, but producing many more blooms. Has good full centers throughout the season. Color, pure white tipped and suffused lavender. A leading cut flower; stems good. **Root, .25**

JERSEY BEAUTY (Waite 86B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. This beautiful pink is undoubtedly the most universally grown dahlia. For years has been "the" commercial cut flower, and still easily maintains its foremost position. Flowers have perfect form on long stems. One of the best keepers. **Root, .35**

JERSEY WHITE BEAUTY (Waite 84B), Bloom 7×3 , Bush 5 ft. A white Jersey Beauty, which also has exceptional keeping qualities. Centers always good and petals tightly arranged. However, the petals curl and twist more than Jersey Beauty. Quite early and profuse in blooms, but not as strong a grower. **Root, .50; Pot Root, .50**

KENTUCKY (Castlewood 85B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. A sport of Jersey Beauty, which seems to be even a stronger grower. The flowers have the same ideal characteristics of form and substance. The basic color is Jersey Beauty pink with yellow and gold blended in, making its general effect salmon pink. Good for cutting **Root, .35**

LOIS WALCHER (Walcher-Geneva 85B), 1939, Bloom 7×4 , Bush $4\frac{1}{2}$ ft. A true purple with outer third of petals clear white. A bi-color which has won six American Home Achievement Medals and certified at E. Lansing and O. V. D. A. Sturdy growth and good stems. This variety, however, is producing many rather small blooms throughout the country and while still sensational is losing somewhat in popularity. **Root, \$1.50; Pot Root, \$1.00; Plant, .75**

PHANTOM (Berger 84A), Bloom 9×5 , Bush 5 ft. Deep violet purple with distinctly white tips. Petals are long and broad. Strong growing bush, and excellent stems. While many flowers show an uneven distribution of color, still a fine bi-color for the garden and for exhibition purposes. The demand for this dahlia shows a steady increase. **Root, .50; Pot Root, .50; Plant, .50**

THE WORLD (Dahliadel 84A), Bloom $9 \times 4\frac{1}{2}$, Bush 5 ft. The color is rich, deep rosy magenta, overlaid garnet, with silver shadings on edges of petals. Full, perfect centers. Stems erect and strong. A heavy, strong growing plant with leathery foliage. The substance is good, but the blooms are best in cool weather. **Root, .35**

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



DAHLIADEL NURSERIES

FORMAL DECORATIVE DAHLIAS—Cont'd

BIG FOUR (Carlee 84A), 1939, Bloom 10 x 6, Bush 5½ ft. A pastel combination of cream suffused violet rose. The attractive and uniform flowers are held well on long, strong stems. The bush growth is unusually strong and rugged. Well worth a place in any planting. Root, \$1.00, Plant, .50

FIRE BALL (Hillside 84B), Bloom 7 x 5, Bush 4½ ft. A fine shade of cardinal or scarlet red in a true Formal dahlia of even form. The foliage is bright green and healthy. Bush at times seems indifferent in growth, and can stand a little extra feeding. Award of Honor, Ga. and Certified at E. Lansing. Root, .50

GRAF ZEPPELIN (Nolet 85B), Bloom 7½ x 4, Bush 7 ft. If you have a rather poor spot in your garden where other varieties are sulky growers, plant this variety there and be surprised. The bush sure has vim, vigor and vitality. Medium size white flowers on strong, erect stems, and good for cutting. Root, .35

JANINE (Comstock 84A), 1941, Bloom 9 x 5, Bush 5 ft. This is a true Formal of mauve shaded Tyrian rose. It is one of those early, strong growing varieties that just blooms and blooms. Any one can grow it. A good companion for The Governor. Root, \$4.00; Pot Root, \$2.75; Plant, \$1.50

ROSEMARY (American D. F. 85A), Bloom 9 x 5, Bush 5 ft. This is a sport of Treasure Island with color a clear phlox pink or lilac, making it a desirable cut flower as well as a strong contender in the Formal Decorative Lavender Class. A rugged growth with blooms early and free. Top and prune bush the same as Treasure Island. Root, .50

TREASURE ISLAND (Dahliadel 85A), Bloom 9 x 5, Bush 5 ft. Bright apricot with gold and rose suffusions and shadings. Bush growth strong and drought-resistant. This variety must be grown according to Drawing Y for first blooms and then follow Drawing X for balance of season. When allowed to grow naturally produces a mass of blooms for landscape effect. Root, .50



The Governor

THE GOVERNOR (Berwick-Dahliadel 86A), 1940, Bloom 11 x 6, Bush 5½ ft. A Formal of bright sulphur yellow. The form is excellent with the long, broad petals going back to stem. Long, strong, erect stems holding flowers in a perfect position. Bushes are rank growers and seem entirely immune to insect attacks. Blooms are produced in great quantities in good form from very early until frost. As we predicted, it has done splendidly everywhere, and has taken its place as the leading yellow Formal. Has won prizes too numerous to list and seems destined for a long life as a leading dahlia. Named in honor of Governor Herbert O'Connor of Maryland. Tied for second place on the 1940 Futurity.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

ASHEVILLE, N. C.

On my first visit to this Show, staged by the Asheville Men's Garden Club, I was very much impressed by the quality of blooms grown this far south, and it is really surprising to see so many of the varieties that do well in New Jersey enjoy this climate.

A large colorful display, nearly filling one end of the hall, was staged by E. J. Sparks of Asheville. This display was the most elaborate and colorful I have ever seen staged by an estate owner.



MOZART

BALL DAHLIAS

MOZART (Dahliadel 85B), 1942, Bloom $4\frac{1}{2}$ x 3, Bush $3\frac{1}{2}$ ft. The long looked for true Ball dahlia in white. A compact strong growing and rugged bush, producing quantities of perfect blooms whether you disbud it or not. For exhibition you should use your terminal bud on your branches. Early and holds good centers throughout the season. Certified at W. Va. Listed on House Beautiful Futurity and Dudley's Honor Roll.

Root, \$5.00; Pot Root, \$3.35; Plant, \$2.00

CHARLOTTE CALDWELL (Creeside 85B), Bloom 6 x 3, Bush 3 ft. A large, uniform Ball of excellent form. A leading exhibition variety on very strong stems. Color is bright apricot suffused coral. A strong bush with healthy, rugged foliage. Gives general satisfaction.

Root, .50

CROWN OF GOLD (Kennedy 84B), Bloom 5 x $2\frac{1}{2}$, Bush 3 ft. Can be described as being similar to Gold Medal with much less red. Deep lemon yellow suffused peach red mostly on reverse of petals. Good stems, profuse and early.

Root, .50

GOLD MEDAL (Keynes 85B), Bloom $4\frac{1}{2}$ x 3, Bush $4\frac{1}{2}$ ft. Sunflower yellow, heavily tipped and suffused Oriental red. Believe it or not it is popular as a cut flower in some of our cities, and used extensively on the show table.

Root, .50; Plant, .50

JAYSEEDEE (Draude 80B), Bloom $4\frac{1}{2}$ x $3\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. Soft reddish violet striped and speckled rich red. Has an individual coloring.

Root, .35

KENTUCKY SNOWBALL (White 85B), Bloom 3 x 2, Bush 3 ft. A pure white which does not burn. Blooms profusely and stems long and erect. Must not be overfed or blooms may lose their regularity of form. A much needed variety in the Ball Class.

Root, .50; Plant, .50

MARY HELEN (Alling 85B), Bloom $4\frac{1}{2}$ x $3\frac{1}{2}$, Bush 5 ft. The Queen of the clear yellow Ball dahlias. Deep canary of a most pleasing shade. The plants are vigorous and produce quantities of well-formed blooms on good stems. Very desirable and a winner on the exhibition table.

Root, .50

MAUDE ADAMS (Alexander 83B), Bloom $4\frac{1}{2}$ x 3, Bush $3\frac{1}{2}$ ft. White, suffused soft violet rose. Attractive.

Root, .50; Pot Root, .50

MRS. C. D. ANDERSON (Alexander 83B), Bloom 5 x $3\frac{1}{2}$, Bush $4\frac{1}{2}$ ft. A rosy magenta of good size with strong stems. Bush growth is strong and rugged. Perfect form.

Root, .35

SUPT. AMRHYN (85B), Bloom $4\frac{1}{2}$ x 3, Bush $4\frac{1}{2}$ ft. A dandy for exhibition and home use. A lovely Tyrian pink on strong growing bushes. Stems excellent. One of the most popular of the Ball dahlias

Root, .50

PEONY DAHLIAS

MANHATTAN (Veile 84A), 1940, Bloom 11 x 5, Bush 6 ft. Scarlet red with lighter reverse. Introduced and shown as an Informal Decorative, but for us the past 2 years it has been a beautiful and spectacular Peony. We are therefore reclassifying it to permit its use on the show table as a Peony. We believe it should become very popular and win many prizes. A strong grower and good root maker. Needs no pampering.

Root, \$1.00; Plant, .50

MRS. FRANCES E. BULLARD (Broomall 82A), Bloom 9 x 4, Bush $4\frac{1}{2}$ ft. The petals are long, pointed and gracefully twisted, forming a very distinct flower of a clear silvery pink, shading lighter at the center.

Root, .35

DAHLIA SEED

Sow in flats or frames in early spring in light soil, cover the seed not more than one-fourth inch about the same as you would tomato seed. When first pair of true leaves are well developed transplant into small pots or flats and grow in cool temperature until they can be planted in the garden. Should they get too large pinch back and shift to larger pots giving them room.

DAHLIA SEEDLINGS never come true to their parentage, but do usually show some similar characteristics in form, color or bush growth. You cannot grow seedlings of a named variety and produce the same variety.

CACTUS AND SEMI-CACTUS SEED (California grown). A mixture made from good seed-bearing parents

20 Seed, \$1.00; 100 Seed, \$5.00

DECORATIVE SEED (California grown). A mixture made from good seed-bearing parents.

20 Seed, \$1.00; 100 Seed, \$5.00

CACTUS AND DECORATIVE SEED. Mixed (Cal. grown).

20 Seed, \$1.00; 100 Seed, \$5.00

COLLARETTE SEED (Dahliadel grown). Saved from our Collarette varieties should produce mostly Collarettes and Singles.

35 Seed, .50; 100 Seed, \$1.00

MIXED MINIATURE SEED. (California grown). A mixture of very fine Decorative, Cactus and Peony type Miniature dahlias

35 Seed, \$1.00

SINGLE SEED (Dahliadel grown) saved from our finest Single dahlias. If you want a mass of mixed colors in your garden, try planting some of these seed. They should be planted close for this effect.

50 Seed, .40



DWARF DAHLIAS

A wonderful new race of dahlias which are particularly adapted for landscape planting in beds or borders that have attracted much attention in our fields. They start blooming early in the summer when about one foot high and bloom continuously until frost, growing to about two feet in height, except where heights are noted. These dwarf dahlias are very useful for forcing in pots indoors.

EASTER GREETING, SC, Bloom 4 x 1½. This is the original variety of this type and may be grown in pots as a blooming plant and is useful as a cut flower. White with a creamy cast.

Root, .50; Pot Root, .50; Plant, .50

ELSIE, SC, Bloom 4½ x 2½. One of the best. Color, soft peach red shading to lemon yellow at center. Blooms are of fine form.

Root, .50; Pot Root, .50; Plant, .50

FRED SPRINGER, FD, Bloom 6 x 3, Bush 2½ ft. Larger blooms and taller than the other Dwarf varieties but rich scarlet in color with bright green fern-like foliage which is very effective in mass plantings.

Root, .35

GERDA, ID, Bloom 4 x 2. Deep violet rose, which is a decided acquisition to the Dwarf class. Flowers are held on long stems well above the foliage.

Root, .50; Pot Root, .50; Plant, .50

GERTRUDE, Dwf, FD, Bloom 4 x 1½, Bush 1½ ft. The best clear primrose yellow in this Dwarf class. A very good variety with uniform blooms.

Root, .50; Pot Root, .50; Plant, .50

JULES BUYSSSENS, M P, Bloom 2½ x 1. Flowers yellowish buff suffused red. Foliage very dark. To us the coloring is not bright but rather dull bronzy buff, but it seems popular with many fanciers.

Root, .50; Plant, .50

KATE, FD, Bloom 4 x 2, Bush 1½ ft. A bright cardinal red which makes a striking variety used in mass plantings. Blooms are attractive, uniform, and good for cutting.

Root, .50; Pot Root, .50; Plant, .50

DAHLIAS THAT FIT IN YOUR GARDEN

The following list includes both large and small varieties that we recommend for landscape plantings. Bushes are dwarf yet produce a mass of color through the entire season. Suitable for borders or special groups in the garden. Especially useful as specimen plants with background of evergreens or similar material. These varieties may also be used for cut flowers.

Garden lovers are ever on the alert for new ideas, and such progressive efforts are to be applauded. We heartily recommend a trial of the smaller growing dahlias listed below for landscape effects. Why not be one of the leaders in using these free blooming dahlias to produce unusually beautiful effects?



Maria

MARIA, SC, Bloom 4 x 2, Bush 1½ ft. A pure white resembling Easter Greeting and considered an improvement by many. Centers very good but not quite as tall a grower as its twin.

Root, .50; Pot Root, .50; Plant, .50

PARK YELLOW, ID, Bloom 4½ x 2, Bush 1½ ft. Clear, lemon yellow with heavy foliage. Profuse in blooms, and decidedly worthwhile in this type.

Root, .75; Pot Root, .50; Plant, .50

ROSALIE, Dwf, SC, Bloom 4 x 2. Color, bright violet rose shaded lighter at center and tips. A very good grower and a desirable variety.

Root, .50; Pot Root, .50; Plant, .50

RUBY MAE, SC, Bloom 5 x 3. A deep, crimson red with a purplish cast. One of the finest Dwarfs as it produces a nicely rounded bush and well-completed Semi-cactus blooms.

Root, .75; Pot Root, .50; Plant, .50

URSULA, ID, Bloom 5 x 2. Dark, oxblood red. For those who prefer dark reds, this variety will contrast better with the lighter colors.

Root, .50; Pot Root, .50; Plant, .50

ANY .50 VARIETIES (Roots, Pot Roots or Plants)
10 for \$4.00

COLLECTION L. One each of the above Dwarf Dahlia Plants (except Fred Springer) 11 in all, \$4.35

RECOMMENDATIONS FOR LANDSCAPE PLANTING

LARGE DAHLIAS

Golden Bounty
Golden Prince
Hillside Gold
Isis
Limelight
Miss Elsie Jane
Opal
Treasure Chest

POMPONS

Chita
Honey
Morning Mist
Reginald
Sherry

MINIATURES

Bishop of Landaff
Buckeye Baby
Forest Fire, Jr.
Little Diamond
Mia Karsten (Single)
Nesthakchen
Olympic Fire
Petit Sonne
Pink Lassie
Rapture
Red Eye
Red Robin
Saturn (Collarette)
Snowsprite



COLLARETTE DAHLIAS

DARK LUSTRE (Dahlidel 85), 1941, Bloom 5, Bush 2½ ft. This Collarette of richest deep velvety garnet red is further enhanced by a white collar with slight carmine markings. A masterpiece in colors. Bush is low and compact with good blooming habits. Very popular with our visitors.

Root, \$2.00; Plant, .75

ERICA (Ballego 85), Bloom 4½, Bush 3 ft. Deep amaranth red, almost black. Collars of same tone with white tips. Unusual and striking.

Root, .50

FANDANGO (Mack 85), 1940, Bloom 4, Bush 3 ft. Deep crimson red with collar the same color flaked yellow and white. Highly recommended and very worthwhile.

Root, \$2.00; Plant, .75

FILLE (85), Bloom 5, Bush 4 ft. Bright yellow with self-colored collar. Fine stems. Outstanding and attractive in the garden or in the show room.

Root, .50

FRANK HARRIS (85), Bloom 4, Bush 3 ft. Bright red with a very long red and cream collar. A good grower and very striking.

Root, .50

MISS JULIE (Badetty 85), 1941, Bloom 5, Bush 4 ft. Deep crimson carmine, with a carmine collar. A Collarette that stood the unusual conditions last season, and proved very satisfactory. Certified at Storrs.

Root, \$2.00; Plant, .75

MITZI (Dahlidel 84), Bloom 4½, Bush 4 ft. Very unique and showy. Color, crimson carmine shading to primrose yellow at center and edged white. Bushes branch and bloom freely, stems erect. Flowerers keep well. A robust grower.

Root, .50

SATURN (Dahlidel 85), 1941, Bloom 5, Bush 3½ ft. A clear lemon yellow Collarette with yellow collar. Fine for both arrangements and landscape work. Was highly praised wherever shown. Bush sturdy and strong. Long stems hold flowers perfectly. Keeps exceptionally well. Award of Honor, Ga., and on the House Beautiful Futurity.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

TRIBUTE (Dahlidel 85), Bloom 5, Bush 4 ft. A deep, rich crimson carmine with white collar petals that are edged carmine. One of the best Collarettes for cutting. Early and continuous blooms on stems that hold erect after cutting.

Root, .50

ANEMONE DAHLIAS

ADA FINCH (Wouters 84), Bloom 3½ x 1½, Bush 2½ ft. A fine bedding or border dahlia. This creamy white flower differs from the Single type by having small quilled petals of the same color covering the entire center.

Root, .50

CROIX DU SUD (Cayeaux 85), Bloom 5 x 2½, Bush 4 ft. A welcome addition to the Anemone Class. The outer petals are bright red, while the pin-cushion-like center is a yellow suffused red. Well recommended.

Root, .50; Plant, .50

GRAZIELLA (Europe 83), Bloom 2½ x 2, Bush 1½ ft. Violet red with yellow center. A novelty, excellent for dainty and unusual arrangements.

Root, .50; Pot Root, .50

HOLLANDIA (Europe 85), Bloom 1½ x 1, Bush 1 ft. Bush growth exceedingly dwarf, even smaller than Graziella. Color is a brick red with yellow center

Root, .50; Pot Root, .50

ORCHID FLOWERING DAHLIAS

This type of dahlia is most interesting, and popular for landscape effects, table decorations or graceful, airy arrangements. The bushes are compact, free blooming and prolific. Most of the flowers are 4 to 5 inches in diameter, and bushes are 2 to 3 feet in height except where noted. Wonderful for landscape effect when pinched out once, but should not be thinned out nor disbudded. If Collarette, Orchid Flowering and Single dahlias are cut before the pollen shows, they will hold their petals and keep for days.

BEAVER. Deep crimson carmine with white shadings on face of petals.

Root, .35

BUTTERCUP (Dahlidel 84), Light buttercup or canary yellow. Erect stems. Early, profuse and a good keeper.

Root, .25

COLLEGIATE (Dahlidel 85), 1941. This Orchid is tan with a garnet red reverse, a darker coloring which is quite modern and appealing. One of the freest blooming varieties and flowers are always good. The bush is healthy and sturdy. Johnston's Futurity, '41.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

DAHLIADEL TWINKLE (Dahlidel 85), Popular and of wide distribution. Perfect in form and graceful, a beautiful combination of white suffused violet rose with distinct Tyrian rose mottlings on the reverse of the petals which roll forward. Useful in arrangements.

Root, .35

DAHLIADEL WHISPER (Dahlidel 85), Popular for cutting, in the garden, and for arrangements with other flowers. Color maize yellow with scarlet reverse. Long, erect stems hold well after being cut. Bushes healthy and insect-repellent.

Root, .35

EVEREST. Pure white throughout. Long, graceful recurving florets. Good size.

Root, .35

GUIDING STAR (Dahlidel 85), 1941. A large, rich lemon yellow Orchid, with slight reddish tinges on reverse. Blooms spangle the plant from early in the season until frost. Always uniform, always good. House Beautiful Futurity.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

IMP (Dahlidel 85), 1941, Bloom 3. Clear lemon yellow. Petals tightly rolled. A decided acquisition for use in arrangements and a dahlia that will win on the exhibition table. Dudley's Honor Roll and Johnston's Futurity, '41.

Root, \$2.00; Pot Root, \$1.35; Plant, .75



ORCHID FLOWERING DAHLIAS—Continued

IVORY GEM (Ruhoff-Dahliadel 85), 1940. A joy to arrange. Ivory white, and most attractive and artistic. Good stems that hold erect on the bush and in arrangements. Dwarf-growing bush. Won a Futurity Medal in '40. Another achievement for the small dahlia.

Root, \$1.00; Pot Root, .75; Plant, .50

LONE STAR (Dahliadel 85). Light lemon yellow on the face of petals with a soft French purple on the reverse. Effective in landscape or border planting. Stems are long and erect, fine for cutting. Root, .35

MAVIS. Light lilac ground, with deep, reddish purple reverse. Root, .35

POLLY. Sunflower yellow ground. Carmine lake reverse. Root, .35

COLLECTION O Beaver, Buttercup, Dahliadel Twinkle, Dahliadel Whisper, and Lone Star. One root each, above 5 varieties, value \$1.65 for \$1.25

SINGLE DAHLIAS

AMI BARILLET (Rivoire 85), Bloom 3, Bush 3 ft. Beautiful deep oxblood red with dark center and heavy dark foliage. Excellent for arrangements.

Plant, .50

CANDLE LIGHT (Dahliadel 85), 1941, Bloom 5, Bush 5 ft. A brilliant yellow. A healthy bush produces its abundance of flowers on strong stems. Greatly admired because of the unusual shape of petals at center which gives one the impression of candle-light rays. On Johnston's Futurity, 1941.

Root, \$2.00; Pot Root, \$1.35; Plant, .75

CHANCELLOR (Volkskanzler) (Foreign 85), Bloom 5, Bush 3 ft. An unusual color combination of brownish red with a blood red halo and dark center. Strong stems, fine for cutting and a good keeper. Root, .50

DAHLIADEL SNOW WHITE (Dahliadel 85), 1939, Bloom 5, Bush 4 ft. A pure white with serrated petals which roll forward, inclining somewhat to the Orchid Flowering Type. It is a fine grower with excellent stems. Wonderful keeping qualities for arrangements. Root, .50

DAHLIADEL WONDER (Dahliadel 84), 1939, Bloom 5½, Bush 5 ft. Flesh pink shaded violet rose with yellow shadings at center. Fine stem and excellent keeping qualities. The bush, however, is such a robust grower that it overgrows in heavy or rich soil. Best in light soil. Root, .50

DOC (Dahliadel 85), 1939, Bloom 4, Bush 3 ft. A primrose yellow shaded orange with a white stripe in the center of each petal. A favorite in our trial grounds for its outstanding color. Certified E. Lansing. Root, .75; Plant, .50

DORIS (Peacock 84), Bloom 4, Bush 4 ft. Deep velvety carmine, heavily tipped pure white. Growing habits and stems ideal. Root, .25

GARNET POINSETTIA (Peacock 84), Bloom 7, Bush 6 ft. Rich, glowing garnet. Large blooms of poinsettia form are held on long stiff stems on strong plants, producing profusely. Root, .25

JAMES WELLER (Peacock 85), Bloom 6, Bush 5¼ ft. Rich golden yellow with central zone of each petal soft rosy red. Long stiff stems. Root, .25



SINGLE DAHLIAS—Cont'd

LITTLE AMERICA (Dahliadel 85), Bloom 5, Bush 5 ft. This white is unusually outstanding and artistic. Petals inclined to roll forward resembling a giant Poet's Narcissus. Stems are long and erect for cutting, keeping qualities are remarkable. Showy in the garden. Root, .50; Plant, .50

LITTLE OTHELLO (85), Bloom 2, Bush 3 ft. A stunning dark crimson, which is almost black. Dark foliage, beautiful for arrangements, and very popular. Root, .50; Plant, .50

MARSHALL'S GLORY (85), Bloom 4½, Bush 3 ft. A pleasing bi-color of cardinal red with a white stripe in the center of each petal. Good rugged grower and root maker. Petals curl artistically. Root, \$1.00; Plant, .50

MIA KARSTEN (85), Bloom 4, Bush 3½ ft. Lilac suffused Tyrian pink with a purple garnet center. The flowers always come true and the bush robust. A marvelous sight in the garden. Root, .50; Pot Root, .50; Plant, .50

NEWPORT WONDER (Robertson 84), Bloom 6, Bush 5½ ft. A very popular and artistic dahlia. Petals pointed and slightly twisted. Color, rose pink with golden suffusion. Root, .50

PEQUOT YELLOW (Wakeman 85), Bloom 5, Bush 3½ ft. A very large clear yellow, especially fine for exhibition. Good habit of growth. Root, .35

SCARLET CENTURY (Peacock 81), Bloom 5, Bush 5 ft. Bright, glowing scarlet on erect stems. Good grower, profuse well formed blooms. Root, .25

TANGO (Dahliadel 80), Bloom 5½, Bush 6 ft. A lively autumn tint, cadmium yellow, shaded scarlet orange. Attractive. Root, .25

THRILL (Dahliadel 85), 1939, Bloom 4, Bush 3 ft. Appropriately named as it is one of the most striking bi-colors. Bright cardinal with a distinct white spot at the end of each petal that certainly attracts your attention. Very showy in a display or in the garden. Sturdy bush growth and full of blooms. Sure to please you.

Root, .75; Pot Root, .50; Plant, .50



Pink Lassie

MINIATURE DAHLIAS

CULTURE—Miniature dahlias need no disbudding, very little pruning and can be planted rather close. They are suitable for landscaping in borders, hedges and mass plantings. They should not be heavily fertilized or overwatered, but grown rather poor the same as Pompons. Fine for home arrangements.

MINIATURE PEONY DAHLIAS

BABY ROYAL (West 82S), M P or M SC, Bloom 3 x 2, Bush 2½ ft. By selecting blooms, this variety may be shown as a Miniature Semi-cactus or as a Peony later in the season. Salmon pink shaded apricot with yellow at base of petal. Root, .25

BISHOP OF LANDAFF (85S), Bloom 3 x 1½, Bush 4 ft. This is an unusual and very attractive flower, being bright scarlet with a deep garnet center. Foliage is lacy of a reddish bronze color and makes this dahlia a stand-out in any planting. Very popular. Root, .35

OLYMPIC FIRE (Europe 85S), Bloom 3 x 1½, Bush 3 ft. Flaming orange red. Foliage almost as deep as Bishop of Landaff. The flower is even more beautiful and does not fade. Bush robust and sturdy.

We consider this variety as most excellent, and cannot recommend it too highly. Root, .50; Plant, .50

PINK DAISY (Dahliadel 84S), Bloom 3, Bush 2½ to 3 ft. A very profuse blooming variety. Stems are slender, stiff, and need no disbudding. Bright rose pink, shading lighter at center. In form similar to a double daisy. Root, .50

PINK LASSIE (Moore-Dahliadel 86S), Bloom 3½, Bush 2½ ft. Soft rose pink with cream and lighter shadings toward center. Petals curl and twist. Bush is rugged, rather open and produces flowers in great profusion. Superb for arrangement work, and likewise a splendid landscape flower. A "must-have" variety which has converted many to growing the Miniatures. Root, .75; Pot Root, .50; Plant, .50

RED EYE (Dahliadel 85S), Bloom 2, Bush 2 ft. Bright orange scarlet with darker center jetted with bright yellow stamens, hence the name. A real Miniature Peony about the size of a pompon. The healthy, sturdy plants have very dark foliage. A wonderful landscape or border dahlia, producing fine, uniform blooms that are distinctive and greatly admired. Futurity, 1941.

Root, \$2.00; Pot Root, \$1.35; Plant, .75





MINIATURE CACTUS and SEMI-CACTUS DAHLIAS

ANDRIES' ORANGE (Andries-De Spiegeleer 85S), **M S-C**, Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush 3 ft. A bright orange of exceptionally clear and attractive tone. Stems perfect and flowers of excellent form. A few blooms may run oversize. Green plants of this variety are uniformly small, but when planted, quickly catch up with the other varieties. Has had many winnings and is one of the best.

Root, .50; Pot Root, .50; Plant, .50

BETSY T. (Tooker-Ruschmohr 86S), 1941, **M St.C.**, Bloom $3\frac{1}{2} \times 2\frac{1}{2}$, Bush 4 ft. A very fine bright lilac with lighter tips. Keeps well within the Miniature size. Certified at Storrs, 1940. A welcome addition. Root, \$2.00; Pot Root, \$1.35; Plant, .75;

DAHLIADEL JOY (Dahliadel 85S), **M C**, Bloom 4×3 , Bush $3\frac{1}{2}$ ft. Very attractive in its artistic form and clear lemon yellow color. Stems exceptionally long and rigid, and cut flowers keep well. Has had a long run of popularity, but some flowers do come oversize and some may show open centers late in the season. Certified at East Lansing and Cincinnati.

Root, .50

DIANNE (Dahliadel 85S), 1939, **M S-C**, Bloom $3\frac{1}{2} \times 1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A dainty Miniature in rose and tan similar to Rapture in color. Strong, slender stems. Early, profuse, full centers and good form throughout the season. Cert. E. Lansing, O.V.D.A. and recommended at Georgia. The only Miniature winning a Futurity Medal in 1939. A real commercial and an exhibition variety which should be more generally grown.

Root, \$1.00; Plant, .50

DUBONNET (Shipley-Dahliadel 86S), **M S-C**, Bloom 4×2 , Bush 3 ft. This beautiful dark red variety is acknowledged everywhere as the leader in its class. Deep oxblood red blooms that do not fade or burn, are produced in profusion on bushes of most sturdy and compact growth. A true cut-and-come again variety, that does well in all sections of the country. While some flowers may come oversize, sufficient blooms can easily be secured for showing in the Miniature class.

Root, .50

JULIA S. (Scheel-Dahliadel 85S), 1939, **M C**, Bloom $3\frac{1}{2} \times 2$, Bush $4\frac{1}{2}$ ft. This tall growing Miniature has a sturdy bush growth and long stems. Deep rose pink with a golden suffusion at the base of petals. Cert. at Storrs and E. Lansing. Listed in Futurity, '39. Slow coming into bloom so advise planting early.

Root, .50

LITTLE DIAMOND (Bruidgom 85S), 1939, **M S-C**, Bloom $4 \times 2\frac{1}{2}$, Bush 3 ft. Aptly named and most highly recommended. Won for itself a large following in 1939, and won second place in the Futurity for 1940. The color is violet rose with sulphur yellow shadings at center. The blooms are of wonderful form and stems perfect. In addition, this variety has a most rugged bush growth.

Root, \$1.00; Pot Root, .75; Plant, .50

MARKET JEWEL (Bruidgom 84S), **M S-C**, Bloom 4×2 , Bush 3 ft. An intense red of beautiful shade. A favorite at Wisley, 1938. Should be planted fairly early to get sufficient blooms.

Root, .50



Little Miss Prim

LITTLE MISS PRIM (Dahliadel 85S), 1940, **M St.C.**, Bloom $2\frac{1}{2} \times 1\frac{1}{2}$, Bush 18 inches. Really diminutive and of exquisite coloring. This variety is dainty and appealing. The color is rose pink lightening toward the center and the tips of petals. Bush is dwarf and branching from the ground, producing exceptionally long stems. While some blooms may come with open centers at times, the flowers are produced in such profusion that this fault is easily overlooked. If the term "cute" may be applied to any dahlia, this is the one. Listed in Futurity, '40, and winner in three large shows in 1940, including the World's Fair. Root, \$1.00; Plant, .50



TIP (Holland 86S), 1939, **M S-C**, Bloom $3\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. Like Caesar it came and conquered. Soft, lemon yellow of lovely Semi-cactus form. Is distinctive in color and has created a furor in flower shows and gardens everywhere. Blooms profusely on healthy, vigorous bushes. Stems long and flowers held perfectly.

Root, \$1.00; Pot Root, .75; Plant, .50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration

MINIATURE CACTUS and SEMI-CACTUS DAHLIAS—Cont'd

MURIEL JOYCE (Australia 84S), M S-C, Bloom 2 x 3, Bush 2 ft. A new color that is much admired. Carmine, shading lighter, with an orange undertone, giving the effect of gold tips. Profuse.

Root, \$2.00; Plant, .75

NESTHAKCHEN (Engelhardt 84S), M S-C, Bloom 4 x 2, Bush 2½ ft. Here is a pastel combination of buff suffused lilac, which is of early and continuous blooming habit. While the coloring is a little weak to some, it is a great favorite with the lovers of pastel shades.

Root, .35

PETIT PRINCE (Ruschmohr 84S), M S-C, Bloom 2½ x 1¼, Bush 2½ ft. Crimson red with a touch of yellow at center. Artistic and uniform blooms on strong erect stems.

Root, \$1.00; Pot Root, .75; Plant, .50

PETIT SONNE (Australia 85S), M S-C, Bloom 3 x 2, Bush 2½ ft. A fine little fellow of yellow shaded salmon rose. Neat, attractive and a mass of blooms all season. Makes fine arrangements and keeps exceptionally well.

Root, .50

RED CAP, JR. (Lasch 84S), M S-C, Bloom 4½ x 2, Bush 3 ft. Bright fiery red. A compact bush, producing a profusion of blooms. Rather large for exhibition purposes but a good flower for cutting.

Root, .35

SANHICAN'S SWEETHEART (Sanhican 83S), M S-C, Bloom 3½ x 2, Bush 2 ft. An old variety still popular. Color ochreous buff, suffused rose red. Low growing bushes covered with blooms.

Root, .35

SARAH (Comito-Johnson 85S), 1941, M S-C, Bloom 3½ x 2, Bush 3 ft. An attractive apricot tipped rose pink, which has won many prizes. Beautiful in the garden with its fern-like foliage and fine for exhibition.

Plant, .75

SNOWSPRITE (Shee- Dahlidel 86S), M S-C, Bloom 3½ x 2, Bush 3 ft. This glistening snow-white variety is unquestionably one of the best Miniatures grown. For a white dahlia the bushes are wonderfully robust. Blooms of fine constant form, held boldly above the foliage in marked profusion. A dependable and all-together fine dahlia. A favorite with the florists.

Root, .50



Rapture

MINIATURE INFORMAL DECORATIVE DAHLIAS

RAPTURE (Dahlidel 86S), Bloom 3½ x 1½, Bush 4½ ft. Rose pink shading to sulphur yellow at center. A very artistic Miniature of fine bush growth, literally alive with blooms held on strong stems. When allowed to grow naturally, will produce practically all blooms of miniature size, but if disbudded, flowers will grow 5 inches in diameter. Keeping qualities excellent, and does extremely well in the South. Cert. at Storrs and E. Lansing.

Root, .35

CINNAMON GEM (England 84S), Bloom 2½ x 1½, Bush 3 ft. Bright orange in color. Another English variety which is one of the very best. Profuse in blooms with stem, center of flower, bush growth and substance all that can be desired. Consistently small in size and always of good form. A dahlia of distinct merit.

Root, \$1.00; Pot Root, .75; Plant, .50

FOREST FIRE, JR. (Dahlidel 85S), Bloom 3½ x 1½, Bush 4 ft. Almost a replica of the large dahlia for which it is named. Amber yellow, suffused and veined soft cardinal in color, and of artistic form. This variety grows well regardless of insects or dry weather and blooms from middle of August until frost. Blooms, on long stems, are always uniform and plentiful, though a few may grow oversize. Strong, symmetrical bushes.

Root, .50

JEANIE (Golden Rule 85S), 1941, Bloom 4 x 2, Bush 3 ft. This fine Miniature is apricot yellow with soft carmine suffusion. The bush is extremely rugged. The flowers are held in good position.

Root, \$1.50; Plant, .50

NIOME (England 84S), Bloom 3 x 2, Bush 3 ft. Velvety red of an attractive shade. Excellent plant growth with flowers held well on strong stems. A little shy in blooms but decidedly attractive and worthwhile.

Root, .50

RALEIGH (Draper-Sanhican 83S), Bloom 3½ x 2, Bush 4 ft. The blooms of deep rose shaded salmon are desirable for arrangement work. Strong, rugged bushes produce blooms early.

Root, .35



SNOWSPRITE



DAHLIADEL NURSERIES

MINIATURE FORMAL DECORATIVE DAHLIAS

BABY SAGAMORE (Badetty 84S), Bloom 3 x 2½, Bush 3½ ft. Amber yellow with a peach red suffusion. Stems, strong and straight, and flowers well under the maximum for Miniatures. Bush sturdy and strong. Root, .50; Plant, .50

BLUEBIRD (Golden Rule 84S), Bloom 3½ x 2½, Bush 3½ ft. This dahlia is unique and different in its coloring, being the nearest to blue in the small dahlias. Color is bluish lavender. Root, .35

BUCKEYE BABY (Golden Rule 86S), Bloom 2½ x 2, Bush 2½ ft. This golden buff Miniature, lightly shaded red on the reverse, is a little gem which should be even more popular. The bushes are sturdy and the blooms are early, uniform and plentiful. We find ourselves unconsciously selecting this variety for our own arrangements and decorations. Root, .35

FAIRY (Dayton 85S), Bloom 3½ x 2½, Bush 4 ft. A soft violet rose shading mauve at tips. Very early and continuously in bloom. Flowers uniform and keep wonderfully well when cut. Good, strong, straight stems. Root, .35

HAPPY (Sunrise 82S), 1939, Bloom 3 x 1½, Bush 2½ ft. Yellow suffused orchid with pink tipping. It blooms most profusely and has unusual vigor of bush. Some folks admire it, others do not like the dull color combination. Root, .50

JOYCE ANN (Sanhican 85S), Bloom 3½ x 2, Bush 2½ ft. Pink shading lighter at tips and center. Uniform, artistic and attractive blooms. Stems, strong and erect. We like it and believe you will agree. Root, .35

JUDY (Badetty 85S), 1939, Bloom 2½ x 2, Bush 4 ft. A reddish orange of ideal size. Blooms consistently small and uniform. Bush growth good with stems appropriate. Centers are very full, so much so that some blooms show green centers in early season. Root, \$1.00; Plant, .50

LAKESIDE BABE (Lakeside 85S), Bloom 2½ x 2, Bush 3 ft. The standard for yellow Formal Miniatures. It is a clear lemon yellow, which is small, profuse in blooms and with good stems. Keeps exceptionally well when cut and wins regularly on the show table. Root, .50; Plant, .50

LITTLE NEMO (Chase 85S), Bloom 4 x 2, Bush 4 ft. A striking bi-color Miniature. Crimson uniformly tipped white, making it uncommon and attractive. Some blooms tend to run over size, but withal a most popular variety with our visitors. Root, .50

LITTLE SUSAN (Frey-Dahliadel), 1942, see page 4.

MISS INNOCENCE (Sparks 85S), 1941, Bloom 2½ x 2, Bush 3 ft. A pure white Miniature of good substance and fine for cutting. Good bush growth, with long strong stems. Early and profuse. Award of Honor, Ga. Root, \$2.00; Pot Root, \$1.35; Plant, .75



MCKAY'S PURITY (McKay-Dahliadel 85S), Bloom 2¾ x 1½, Bush 2½ ft. A good white Formal Miniature. This strong grower makes healthy, dense dark green foliage with the uniform white blooms standing out in striking contrast. Stems are long and still the bush is compact for hedge or bed effects. Certified at Storrs and O.V.D.A. Well recommended. Root, .35

ORCHID LADY (Fenton 85S), Bloom 3½ x 2½, Bush 4 ft. For a garden dahlia it is always a mass of blooms and good for cutting and home decorations. Color, bright violet rose or light lilac. Certified at Storrs and East Lansing. Has tendency to run too close to the maximum size for Miniatures. Root, .35

PEE WEE (Comito-Johnson 85S), 1941, Bloom 1½ x 1, Bush 3 ft. Pink in color. One of the smallest and most perfectly formed Miniatures. Bush growth good and sturdy. Unusually free flowering, and an excellent keeper. Root, \$2.00; Pot Root, \$1.35; Plant, .75

PURP (Dudley-Ruschmohr 84S), 1940, Bloom 2½ x 2, Bush 3 ft. Soft true purple in color which makes it a welcome addition to this limited color class. Blooms profusely with good stems. Bush vigorous and foliage heavy. For cutting, blooms must be taken before completely developed to avoid sun burning. Certified at Storrs. Root, \$1.00; Pot Root, .75

RED HEAD (Golden Rule 85S), Bloom 3 x 1½, Bush 3 ft. A dahlia which is pleasing in appearance, and a fine keeper. Color, scarlet orange, with blooms facing up on nice stems. Root, .35

LANDSCAPE YOUR VICTORY GARDEN

With Small-Flowering Dahlias, or better still plant early vegetables in your Dahlia Garden between the rows. Dahlias planted with other garden material produce quantities of cut flowers for home decoration and arrangements.

MINIATURE FORMAL DECORATIVE DAHLIAS—Cont'd

RED ROBIN (Dahliadel 86S), 1940, Bloom $2\frac{1}{2} \times 2$, Bush 3 ft. A bright scarlet in a true Miniature of perfect form. Blooms are sun-resistant and do not fade or burn. Bushes are sturdy and produce great numbers of blooms on perfect stems. This variety is equally valuable for exhibition, arrangement and landscape work. Has given universal satisfaction and has won many prizes all over the nation. Certified at Storrs and W. Va., and recommended by the Dahlia Society of Ga. In Futurity, '40.

Root, \$1.00; Plant, .50

ROSE BEAUTY (Dahliadel 85S), Bloom $2\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. The color is a soft peach with coral suffusion. Blooms are uniform with centers full throughout the season. Stems are good for cutting. Useful for arrangements.

Root, .35

SYLVIA (Lakeside 85S), Bloom $2\frac{1}{2} \times 1\frac{3}{4}$, Bush 4 ft. Rich deep carmine. Cert. at Storrs 86S and Cert. at E. Lansing. A dahlia that grows well, blooms profusely, and keeps wonderfully. Good form and a real Miniature that should be in everyone's garden.

Root, .50

TANGERINE (Dahliadel 85S), Bloom 3×2 , Bush 2 to 3 ft. The shade of red the ladies like, a bright russet orange inclined to scarlet. Stems erect and long for cutting. Very desirable for border planting or bedding as it grows naturally into a well-formed bush without any support.

Root, .35

TRIAL GROUNDS

The Trial Grounds are all doing a magnificent work. Even the unofficial trial grounds are furnishing important data aiding in selection of varieties for particular localities.

Dahlias which have received certificates at the official Trial Grounds at Storrs, Conn.; East Lansing, Mich.; Ohio Valley Dahlia Association at Cincinnati, and West Virginia at Fairmont are marked in our catalog "Certified at Storrs, E. Lansing, O.V.D.A. or W. Va." An "Award of Honor, Ga." refers to the Dahlia Society of Georgia Trial Grounds.

Seedlings may be sent to any of these Trial Grounds where they will be carefully grown, tested and scored. Fee for each variety is \$3.00 and three roots or plants of each variety must be sent. No entry fee is required by the Georgia Dahlia Society. Write for entry blanks and instructions from the Trial Grounds you may wish to enter. List and addresses of official Trial Grounds will be sent on request.

Red Robin



Sherry

Reginald

Ila

POMPON DAHLIAS

ATOM (Edymel 85), Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. Fiery red with perfect form. Found in almost every Pom fancier's collection. It is small, early and profuse in blooming habit.

Root, .25

BETTY ANNE (Johnson 87), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Color, soft rose pink, inclined to violet rose. Blooms are small, uniform in size and form. Bush healthy and vigorous. A winner.

Root, .25

BETTY MALONE (Malone-Dahliadel 86), 1939, Bloom $1\frac{3}{4}$, Bush 3 ft. An outstanding Pom which is white with petals evenly tipped violet purple. It has ideal form with perfect centers. The blooms revert nicely to stem. Plant growth is healthy and flowers are produced in profusion. Stands up exceedingly well in the South. Certified at Storrs, W. Va. and O.V.D.A., and recommended at Georgia.

Root, \$1.00; Pot Root, .75; Plant, .50

BOB WHITE (Dahliadel 85), Bloom $1\frac{1}{2}$, Bush 2 ft. Milk white having just a cast of yellow when opening. Bush is low and spreading with blooms on long stems. Ideal for bedding and the right form for exhibiting. Wins on the show table.

Root, .25

BRASS BUTTON (Linduff-Ruschmohr 85), 1941, Bloom $1\frac{3}{4}$, Bush 3 ft. Light yellow in color and consistently small. It found a place in the Honor Roll and the Futurity. Cert. at Storrs and W. Va.

Plant, .75

CHITA (Dahliadel 85), 1939, Bloom $1\frac{3}{4}$, Bush 3 ft. Pure canary yellow. A most profusely blooming plant whose flowers keep well. This little beauty is devoid of temperamental traits.

Root, .75; Pot Root, .50; Plant, .50

CLOVER (Wilson-Ruschmohr 86), 1941, Bloom $1\frac{1}{2}$. Soft pink with a white center. Prolific in blooms, all of which are small and of fine form. Certified at Storrs.

Plant, .75

DEE DEE (Estes 85), Bloom $1\frac{3}{4}$, Bush $3\frac{1}{2}$ ft. A pale lilac which ordinarily runs too large for exhibition, and should be so regarded. Nice for home use because of its color.

Root, .35

DORIA (Australia 86), Bloom $1\frac{1}{2}$, Bush 3 ft. A unique variety. Color, deep wine shaded darker at center. Stems wiry and stiff. Blooms on top of stem. Centers full.

Root, .35

EBONY (Johnson 85), 1941, Bloom $1\frac{1}{2}$, Bush 3 ft. A black red, darkest of all dahlias. Long, strong stems and flowers finish into a complete ball. Awarded Gold Medal at the A.D.S. Show, New York, 1940.

Plant, .75



Betty Malone



Chita

POMPON DAHLIAS—Cont'd

EDITH MUELLER (Mueller-Badetty 85), Bloom $1\frac{3}{4}$, Bush 3 ft. A bright soft apricot suffused peach red. Much in demand as a cut flower. Root, .25

EILEEN (Keynes 86), Bloom $1\frac{1}{2}$, Bush 2 ft. This cream tipped violet Pom, after 30 years in commerce, is still outstanding, beautiful and useful. It is riding a new wave of popularity. Stock extremely limited. Plant, .50

GERTRUDE (Salbach 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Bright glowing carmine of good form on strong stems. One of the best bright reds to date. Root, .35

GOLDILOCKS (Seal 85), Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. Gold deepening at centers. Flowers well formed. Good for exhibition and cutting. Root, .25

GRAIN O'GOLD (Tooker-Ruschmohr 85), 1939, Bloom $1\frac{1}{2}$, Bush 2 ft. Clear yellow with a purplish cast at times on tips of petals. Must be considered with Chita and Little Prince when a yellow Pom is needed. Certified at Storrs. Root, .50; Pot Root, .50; Plant, .50

HELEN ANITA (85), Bloom $1\frac{3}{4}$, Bush $2\frac{1}{2}$ ft. A beautiful lilac with a lighter reverse and white center. Very attractive and good for cutting. Root, .25

HONEY (Farnum 86), Bloom $1\frac{1}{4}$, Bush 3 ft. Primrose yellow with faint suffusion of red on edge of petals. Free flowering on long stems. Root, .25

ILA (Australia 87), Bloom $1\frac{1}{2}$, Bush 2 ft. Deep ox-blood red. One of the best of the new Poms. Bush growth fairly good, but practically all the flowers are of perfect form, and on long, strong stems. Demand very heavy and stock extremely short. Root, .50; Pot Root, .50; Plant, .50

JOE FETTE (Boston 83), Bloom $1\frac{1}{2}$, Bush 3 ft. A very good pure white with good stems for cutting. Blooms early. In demand for florist use. Root, .25

JOHNNY (West 87), Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. Dark red or maroon. Very small. Almost a perfect ball in form. Slow to propagate. Stock limited. Root, .50; Pot Root, .50; Plant, .50

LITTLE DAVID (Twichett 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Russet orange of almost perfect form. Blooms freely and fine for both cutting and exhibiting. Root, .25

LITTLE EDITH (87), Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. Primrose yellow tipped bright carmine. A standard variety with years of consistent winning. In form and general all-around worth, is still a standard for other Poms to match. Root, .25

LITTLE PRINCE (86), Bloom $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. A pure light yellow of fine form that runs consistently small. Completes nicely to stem in the manner of the best Poms. Bush growth good and blooms produced in large numbers. A steady winner on the show table and in heavy demand. On Futurity, '39. Root, \$1.00; Plant, .50

MARY MUNNS (Bolsa 85), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. One of the best in a phlox or mallow purple. Good for exhibition or cutting. Root, .25

MELROSE BABY (Liphart 85), Bloom $1\frac{1}{2}$, Bush 2 ft. Color, clear attractive spectrum red which holds good in the sun. Bush is healthy with plenty of blooms suitable for exhibiting. Certified at Storrs. Root, .75; Pot Root, .50; Plant, .50

MIKE (Boston 84), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Color bright burnt orange, shading lighter at the outer petals. Attractive and jutting with blooms. Root, .25

MORNING MIST (Badetty 85), Bloom $1\frac{1}{2}$, Bush $3\frac{1}{2}$ ft. A fine cut flower with long stems. Color, white tipped lavender and rosy lavender at center. Some flowers a little large but very popular. Root, .35

MRS. J. TELFER (Australia 87), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. White with a slight yellowish cast. Blooms almost a perfect ball with perfect centers. A fine addition to the white Pom class and has won many prizes during the past two years. Some tendency for petals to burn in early season and full sun. Root, .50; Pot Root, .50; Plant, .50

REGINALD (Australia 86), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A fine Burgundy red of ideal size and finest form. Has taken a place as one of the leaders of its class. Bush growth rugged. Root, .35

ROSALIE (Sanhican 85), Bloom $1\frac{3}{4}$, Bush 3 ft. Splendid cut flower. Ivory white in color. Stems good and fine bush growth. Prolific in blooms. Root, .25

SHERRY (85), Bloom 2, Bush $2\frac{1}{2}$ ft. A deep purple which is nearly round and very attractive. Some flowers may come oversize but many exhibition blooms can be also gotten. Bush grows rapidly and sturdily. Has a wide distribution and popular. Root, .35

SNOWCLAD (Dreer 78), Bloom $1\frac{1}{2}$, Bush 3 ft. A free, early blooming, standard white Pom. Excellent cut flower. Root, .25

SUNNY DAYBREAK (Keynes 85), Bloom $1\frac{3}{4}$, Bush 3 ft. Lemon yellow, heavily tipped cardinal. Flowers of good form. Root, .25

YELLOW GEM (McWhirter 84), Bloom $1\frac{1}{2}$, Bush 3 ft. Clear canary yellow of fine form. Old, but good and still winning. Root, .25; Pot Root, .25

DAHLIADEL RECOMMENDATIONS

of Exhibition Dahlias

For your guidance in selecting the varieties that are winning and will win in competitive classes in the show room we are submitting the following tabulations. The varieties are placed under color classes and then the

types under their respective colors. Varieties are listed under each type in their order of preference. For example, we feel that Mother Maytrott is the best white ID, while DeMolay is the best red FD, etc.

	WHITE	YELLOW	ORANGE	RED	PINK	LAVENDER	PURPLE	BLENDED	BI-COLOR
St. C	Winter Morn Jersey Dainty	Marietta E. Hillside Gold	Capt. Cedarquist Miss Belgium	The Ohioan Dulcinea	Mrs. H. O'Connor Saar. Heimkehr	Ella May			
IC	Snowcrest	Yellow Giant Royal Purchase	Golden Standard Stephen Foster	Son of Satan Nancy A. Mitchell	Crowning Glory Dominant	Mme. C. Jussiant Miss Ohio		Mary Taylor	Flash
S-C	Ball. Surprise American Purity	Yellow Glory Limelight	Indian Summer Columbia Hillside Joy	Lynn Fontanne Maffie Top Flight	Julius C. Bunge Peach Dawn Greater Glory	Bette Davis	Jean Trimbee Kard. van Rossum	Con. Gen. Quist Enkart. Prima Miss Elsie Jane	Figaro
ID	Mother Maytrott Alice May Mother's Day	Whirlaway Lord of Autumn Am. Sweetheart	Sunrays Norma Morton Jane Cowl	Dean Shurtleff Cherokee Brave Virginia Rute	Pink Elephant Pink Giant Katie K.	Robert L. Ripley Cherokee Rose	Glamour Eventide Hunt's V. Wonder	Carl G. Dahl Silver Lady Freda George	K. Radiant Beauty Ky. Sportsman
FD	Darcy Sainsbury Miss Oakland	The Governor Class	Volcano Sultan of Hill.	DeMolay Amer. Victory Red Salute	Pink Profusion Victory	Blue River Rosemary	King David Purple Mist	Big Four	Phantom Lois Walcher Haslerova
Ba	Mozart Ky. Snowball	Mary Helen	Char. Caldwell	Mrs. C.D. And'son		Supt. Amrbyn		Gold Medal Maude Adams	
M	Miss Innocence White Fawn Snowsprite	Tip Lakeside Babe	Andries' Orange Buckeye Baby	Red Robin Sylvia Red Eye	Pink Lassie Little Miss Prim Little Susan	Betsy T. Little Diamond	Purp	Dianne Rapture	Little Nemo
Pom	Mrs. J. Telfer Bob White	Little Prince Grain O'Gold Brass Button	Atom	Ila Reginald	Pink Duchess Betty Anne	Mary Munns	Sherry	Clover Betty Honey	Eileen
S	Little America	Candle Light Pequot Yellow	Bachelor Girl		Newport Wonder			James Weller Mia Karsten	Jersey Maid Doc Thrill
Coll		Saturn Fille	Orangeade	Dark Lustre Miss Julie Tribune				Mitzi	
O	Ivory Gem Everest	Imp Guiding Star						Dahl. Twinkle	



HARDY CHRYSANTHEMUMS

For many years we have felt a great sense of loss when Jack Frost arrived and left our vast fields of colorful dahlias a blackened mass. No doubt you have had the same feeling. From riches to rags as it were.

So that the change might not be so abrupt, and that we might enjoy flowers during the weeks of fine weather which usually follow the first killing frost, we searched for another flower to take the place of the departed dahlias, and decided upon the modern, hardy chrysanthemum. We then travelled to many gardens and plantings to find the hardy 'mums which were still fine after a hard frost. After a few years of this, we bought in the following varieties, grew them ourselves and we are listing them for your approval this season, feeling sure they will perform for you in the same satisfactory manner they have for us.

Culture is simple. Plant them about 1½ to 2 feet apart in ordinary garden soil, giving lots of water during the season. Fertilize with a complete fertilizer twice during the season, the last about three weeks before blooming time. For the black aphid, their worst insect pest, use a nicotine spray as recommended for dahlias on page 25.

LARGE FLOWERING VARIETIES

The following are of medium bush height except where noted, with double flowers averaging about 2 inches in diameter. They are all very beautiful, and are a mass of blooms in their season.

In Climate Similar to New Jersey, Blooms About		
BURGUNDY , Soft amaranth red.	Early Oct.	
CAPTAIN COOK , Mauve pink. Tall	Late "	
CHESTNUT BURR , Coppery red & orange.	Early "	
CYDONIA , Brilliant orange mahogany.	" "	
GOBLIN , Golden orange, very hardy.	Mid "	
GOLDEN CHARM , Rich cadmium yellow.	" "	
LILLIAN DOTY , Light mallow pink. Tall	Late "	
MAJOR BONNAFFON , Lemon yellow.	" "	
MRS. SAMUEL P. ROTAN , Golden yellow & orange.	Mid "	
MURILLO , Violet rose.	Late "	
VULCAN , Carmine red.	" "	
WHITE DOTY , Pure ivory white. Tall.	" "	

Plants of any of the above from 2¼" pots, 25c; 3 for 70c; 6 for \$1.30. Entire collection, one each of above 12 varieties, \$2.40.

SINGLE VARIETIES

These are daisy-like with blooms about 2½ inches in diameter. The one we list is extremely beautiful and stands frost well. Makes a wonderful cut flower.

SENSATION, Crimson red with yellow at base of petals. Blooms about Nov. 1



Hardy Chrysanthemum Arrangement of Large Flowering and Pompon Types

CUSHION (Azaleamum Type)

These grow very bushy, often measuring 2 feet across, and are literally alive with blooms about 1 inch in diameter. Fine for landscape or border work. Bloom very early and continuously.

AMELIA, Bright violet rose. Blooms in Early Sept.
KING CUSHION, Salmon rose. Blooms in Early Sept.

SPOON VARIETIES

So called because the petals are long, rolled upon each other and flattened at tips so that each resembles a miniature spoon. A novelty which is becoming extremely popular. We are listing only the one so far, which is most frost-resistant.

PINK SPOON, Soft amaranth pink. Blooms late Oct.

SMALL FLOWERING VARIETIES (Pompons)

The following are of medium bush height and blooms are similar to Pompon dahlias in form, averaging ¾ inch to 1 inch in diameter. Some of the finest colors are found in this class, and all are fine for cutting.

Blooms About

ETHEL , Coppery-orange red. Hardy	Late Oct.
JEWEL , Clear lilac, one of the best	Early "
JUDITH ANDERSON , Apricot yellow.	" "
OURAY , Dark coppery-red, very hardy.	Mid "
RUTH , Rosy magenta. Pretty, but late.	Nov. 1

All Chrysanthemum Plants on this Page are the Same Price. Each, 25c; 3 for 70c; 6 for \$1.30; any 10 for \$2.00. Ready for shipment from April 15th on.



Formosanum (Philippinense) Lilies

A new hardy and fragrant lily growing two and one-half to four feet high, that blooms from August until frost. The blooms resemble Easter Lilies except they are larger. This strain has large white trumpets with a slight yellow cast on the outside, is a strong grower and easy to handle. Bulbs should be planted six inches deep in the late fall or very early spring, and should be surrounded with sand when planted in soil that is at all heavy. This variety does not need rich soil as most other lilies do. All size bulbs will bloom the first year but should be planted 4 to 6 weeks ahead of normal planting time for dahlias, or as soon as frost is out of the ground.

#1 Size Bulbs	Each	35¢	Doz.	\$3.50
#2 Size Bulbs	Each	25¢	Doz.	\$2.50
#3 Size Bulbs	Each	15¢	Doz.	\$1.50
#4 Size Bulbs	Each	10¢	Doz.	\$1.00

DAHLIADEL COLLECTIONS

Positively No Changes in Collections

FIVE POMPON DAHLIAS

COLLECTION A	Value	\$1.35	ROOTS, \$1.00
Edith Mueller	Joe Fette		
Honey	Morning Mist		
	Yellow Gem		

LITTLE GEM MINIATURE DAHLIAS

COLLECTION M	Value	\$2.80	ROOTS, \$2.00
Buckeye Baby	Orchid Lady		
Dubonnet	Pink Lassie		
Fairy	Sylvia		

FOUR GARDEN DAHLIAS

COLLECTION B	Value	\$1.55	ROOTS, \$1.00
Clara Barton	Mrs. Geo. LeBoutillier		
Graf Zeppelin	Sanhican's Cameo		

SIX CUT FLOWER DAHLIAS

COLLECTION C-F Value \$1.80 ROOTS, \$1.30

Dr. Helmuth Spat	Jean Kerr
Francis Larocca	Jersey Beauty
Jane Cowl	White Prolific

BEGINNERS' SURPRISE

COLLECTION BS Value \$3.00 to \$5.00 Roots, \$2.00

10 named roots tagged, all different. A good assortment of colors and types. Large flowering varieties only. This collection gains in popularity each year as finer varieties are used in it.

SIX CACTUS DAHLIAS

COLLECTION C Value \$2.95 ROOTS, \$2.20

Gretel	Miss Elsie Jane
Jersey Dainty	Miss Glory
Limelight	Royal Purchase

EIGHT EXHIBITION DAHLIAS

COLLECTION E Value \$4.35 ROOTS, \$3.25

Arelida Lloyd	Margrace
Eva Hunt	Miss Oakland
Golden Prince	Red Salute
Kilgore's King	Watchung Giant

FIVE BLUE RIBBON DAHLIAS

COLLECTION F Value \$9.50 ROOTS, \$7.00

Cherokee Brave	Pink Giant
Glamour	Silver Lady
	The Governor

FIVE ORCHID FLOWERING DAHLIAS

COLLECTION O Value \$1.65 ROOTS, \$1.25

Beaver	Dahlia del Twinkle
Buttercup	Dahlia del Whisper
	Lone Star





DAHLIADEL NURSERIES

DAHLIADEL PLANT COLLECTIONS

COLLECTION H Value \$6.00 12 PLANTS, \$4.50

YOUR CHOICE OF ANY 8 PLANTS, \$3.00

YOUR CHOICE OF ANY 4 PLANTS, \$1.50

Adolf Mayer
Alice May
Bandoeng
California Idol
Carl G. Dahl
Cherokee Brave

Darcy Sainsbury
Hillside Gold
Lord of Autumn
Mme. C. Jussiant
Mother Maytrott
Opal

COLLECTION I Value \$4.50 PLANTS, \$3.25

Glamour
Mary Taylor
Norma Morton

Pink Giant
Silver Lady
The Governor

ELEVEN DWARF DAHLIAS See page 33

COLLECTION L Value \$5.50 PLANTS, \$4.35

Easter Greeting
Elsie
Gerda
Gertrude, Dwf.
Jules Buysens

Kate
Maria
Park Yellow
Rosalie, Dwf.
Ruby Mae

Ursula

See notice on Green Plant Shipments, (Next Column)

FREE ROOT OFFER

On retail orders at regular list price for dahlia roots, pot roots and plants from this catalog, except collections, special offers and where quantity discount is taken you may select complimentary roots as follows: On each dollar you are allowed 25c toward any variety in the following list. For example, on an order of \$6.00 worth of roots or plants you may select \$1.50 worth from this list or a \$2.00 variety by paying 50c additional. Mention second choice as season advances, as stock of some varieties is limited.

Root		Root	
Bernice Geer	\$.50	San Francisco . . .	1.50
Charmer . . . . .	.35	Silver Lady	2.00
Cherokee Brave . .	1.50	The Governor	2.00
Clara Carder . . . .	.35	Pot Root	1.35
Golden Prince . . .	.50		
Jean Kerr . . . . .	.25		
Kilgore's King			
Pot Root . . . . .	.50	Bishop of Landaff .	.35
Limelight . . . . .	.75	Fairy . . . . .	.35
Model 999	1.00	Sylvia . . . . .	.50
Mrs. Wm. Knudsen .	.75		
Opal			
Pot Root . . . . .	.50	Edith Mueller . . .	.25
Red Spider . . . . .	.50	Morning Mist . . .	.35
Rudolf's Giant		Yellow Gem . . . .	.25
Pot Root	1.00	Pot Root . . . . .	.25

MINIATURES

POMPONS

GUARANTEE

All dahlia Roots, Pot Roots and Plants are guaranteed healthy and true to name to the extent of replacement with true stock. Roots or pot roots that fail to start in three weeks will be replaced if returned. **POTASH FED DAHLIAS** give such universal satisfaction that we guarantee this year's Dahliael Introductions to prove entirely satisfactory to the extent of replacement with the same variety or one of any other of equal value from the following season's catalog. Satisfaction and safe delivery guaranteed.

TERMS AND DELIVERY

Orders will be filled with strong, field-grown root divisions unless pot roots, green plants or rooted cuttings are specified. We will notify you if unable to supply any variety, as we do not substitute, without instructions to do so.

NOTICE ON GREEN PLANT AND ROOTED CUTTING SHIPMENTS

Plants will be shipped from April 15th to July 15th, while Rooted Cuttings can be shipped 2 weeks earlier but neither can be sent C. O. D., as this causes delay. When roots and plants are ordered together, roots will be held and shipped with the plants unless otherwise specified. 25 cents must be included with all plant and rooted cutting orders to cover special delivery except where there is no special delivery service at post office of destination; in which case, send 15 cents for special handling. We pay all regular postage. We do not guarantee safe delivery unless plants or rooted cuttings are shipped as above.

QUANTITY DISCOUNT ON ROOTS, POT ROOTS, PLANTS AND ROOTED CUTTINGS

Three of any one variety—less 10%
Six of any one variety—less 20%
Ten of any one variety—less 25%

The above quantity discounts do not apply to Special Offers or Collections.

CASH WITH ORDER. Stamps accepted up to \$3.00; above that amount, check, money order or cash by registered mail. Root orders will be shipped according to the growing season of the customer, which in most cases is between April 15th and July 1st. Shipment is prepaid and usually sent by Parcel Post. On C. O. D. shipments the customer pays the C. O. D. charges. We pay all regular postage.

WARNING. Do not send cash by mail unless you have it registered.

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Potash Fed
DAHLIAS



WARREN W. MAYTROTTS VINELAND, N. J.

INDEX

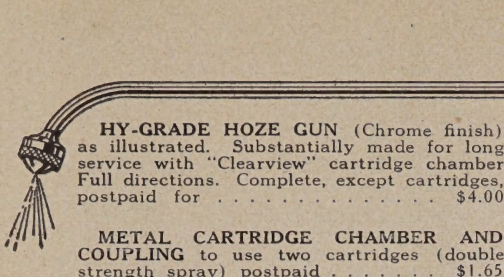
ABBREVIATIONS USED IN CATALOG. An—Anemone. Ba—Ball. Coll—Collarette. C—Cactus. IC—Incurved Cactus. S-C—Semi-cactus. St.C—Straight Cactus. FD—Formal Decorative. ID—Informal Decorative. M—Miniature. P—Peony. Pom—Pompon. S—Single. O—Orchid Flowering. Dwf—Dwarf.

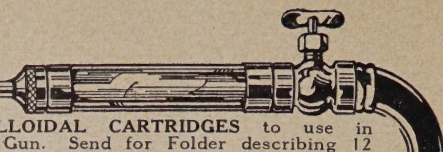
NOTICE. The Key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed. Drawings and explanation will be found on pages 22 and 23.

Page		Roots	Pot Roots	Plants	Page		Roots	Pot Roots	Plants
LARGE DAHLIAS					18	Glamour—ID	X	\$2.00	\$1.35 \$.75
14	Adirondack Sunset—ID	X	\$.50		13	Golden Beauty—ID	X	.75	.50 .50
11	Adolf Mayer—ID	X	.75	\$.50	27	Golden Bounty—FD	Y	.50	
	Aiko—S-C	X	.75		15	Golden Prince—ID	X	.50	
14	Alice May—ID	X	1.50	1.00 .50	6	Golden Standard—IC	X	.35	
	Alice Stellick—ID	X	.50		12	Goodnight—ID	X	.50	.50 .50
8	All-American—S-C	X	7.50	2.50	30	Grace—FD	X	.25	
	Ambassador—St.C	X	.35		31	Graf Zeppelin—FD	X	.35	
9	Amelia Earhart—S-C	X	.75	.50	7	Greater Glory—S-C	X	1.00	.75 .50
7	American Purity—S-C	X	.75	.50		Gretel—S-C	X	.35	
29	American Victory—FD	X	2.00	.75	30	Haslerova—FD	X	.75	.50
14	America's Sweetheart—ID	X	.75	.50	19	Heracles—ID	X	1.00	.75 .50
9	Andre Csizik—S-C	X	.35		6	Hillside Beauty—IC	X		1.50
13	Andrea Ericson—ID	X	.35		5	Hillside Gold—St.C	X	1.00	.75 .50
19	Andree Baysellance—ID	X	.50		8	Hillside Joy—S-C	X	4.00	2.75 1.50
19	Anna Benedict—ID	X	.35		17	Hillsiae Sunset—ID	X	2.00	1.35 .75
12	Arela Lloyd—ID	X	.35		27	Hiltonia Apricot—FD	X	4.50	1.50
29	Aztec Chief—FD	X	2.00	1.35 .75	3	Hon. A. E. Giegengack—FD	X		3.50
8	Ballego's Surprise—S-C	X	.75	.50	28	Honey Dew—FD	X	.75	.50
5	Ballerina—St.C	X	.75	.50	14	Hunt's Velvet Wonder—ID	Y	.50	
19	Bandoeng—ID	X	.75	.50	12	Incandescent—ID	X	.75	.50
30	Beethoven—FD	X	1.50	.50	3	Indian Summer—S-C	X	15.00	5.00
6	Bernice Geer—IC	X	.50		7	Isis—S-C	X	.75	.50 .50
7	Bette Davis—S-C	X		.75 .50	12	Jane Cowl—ID	X	.35	
31	Big Four—FD	X	1.00	.50	31	Janine—FD	X	4.00	2.75 1.50
30	Blue Jersey—FD	X	.50	.50	29	Jean Kerr—FD	X	.25	
29	Blue River—FD	X	.50	.50		Jean Parturet—St.C	X	.50	
17	Brilliant Lady—ID	X	1.00	.75 .50	9	Jean Trimbee—S-C	X	.50	.50
	Buckeye Bride—FD	X	.50			Jersey Beacon—FD	X	.35	
14	Burgundy—ID	X	1.00	.50	30	Jersey Beauty—FD	W-X	.35	
15	California Idol—ID	X	.50	.50	5	Jersey Dainty—St.C	X	.35	
5	Captain Cedarquist—St.C	X	2.50	1.00	30	Jersey White Beauty—FD	X	.50	.50
13	Carl G. Dahl—ID	X	.75	.50	9	Jessica Dragonette—S-C	X	.75	.50 .50
30	Cavalcade—FD	W-X	.35		17	Jim Baxter—ID	X	.50	
	Chamberlain—S-C	X	.75	.50	14	Jimmie Foxx—ID	X	.75	.50 .50
12	Charmer—ID	X	.35		16	Joan Craig—ID	X	2.00	1.35 .75
11	Cherokee Brave—ID	X	1.50	1.00 .50	16	Joseph E. Mitchell—ID	X	1.50	1.00 .50
15	Cherokee Rose—ID	X	.75	.50	11	Josephine G.—ID or S-C	X	.35	
10	City of Cleveland—ID	X	.35			Joyce Louise—ID	X	.50	
18	City of Trenton—ID	X	.35		19	Judge Samuel Seabury—ID	X	.35	
14	Clara Barton—ID	X	.35		8	Julius C. Bunge—S-C or IC	X	1.00	.75 .50
17	Clara Carder—ID	X	.35		10	Kardinal van Rossum—S-C	X		.50
29	Class—FD	X		2.50	17	Katie K.—ID	X	1.00	.75 .50
9	Color Sergeant—S-C	X	.35			Kay Francis—S-C	X	.50	
3	Columbia—S-C	Net		5.00	17	Kemp's Radiant Beauty—ID	X		.50
	Confucius—S-C	X		3.50		Kemp's Red Pilot—ID	X	1.50	.50
8	Consul Gen. Quist—S-C	X	1.00	.75 .50	15	Kemp's Violet Wonder—ID	X	.35	
	Cossack—FD	X	.35		30	Kentucky—FD	W-X	.35	
	Crinkles—ID	X		1.50	13	Kentucky Dawn—ID	Z	.75	
6	Crowning Glory—IC	X		3.50	12	Kentucky Sportsman—ID	X	.75	.50 .50
	Croyden Acme—FD	X		.75	28	Kentucky Sun—FD	X	.35	
	Czech Triumph—S-C	X	2.00	.75	9	Kentucky Sweetheart—S-C or IC	X	3.00	1.00
28	Dahliadell Gold—FD	X	.50		11	Kilgore's King—ID	X	.75	.50 .50
29	Darcy Sainsbury—FD	X	.75	.50	C	King David—FD	X	10.00	6.75 3.50
18	Dean Anderson—ID	X		.75	8	Koki—S-C	X	1.00	.50
3	Dean Shurtleff—ID	Net		3.50	8	Laetare—S-C	X	.50	.50 .50
30	Deep Purple—FD	X	4.00	2.75 1.50		LaFiesta—ID	X	.50	
27	Democracy—FD	X	.50		6	Leiden's Elegance—IC	X	.50	
C	DeMolay—FD	X	5.00	3.35 2.00	7	Limelight—S-C	X-Y	.75	.50 .50
6	Dominant—IC	X	.75	.50		Link's Blue Triumph—FD	X		1.75
3	Dorothy Geer—FD	X		3.50	7	Link's Conspicuous—S-C	X		1.25
7	Dorothy Lamour—S-C	X		2.50		Link's White Majesty—ID	X		3.00
3	Dorothy Schmidt—S-C	X		3.50	30	Lois Walcher—FD	X	1.50	1.00 .75
3	Dr. Danner—ID	X		3.00	14	Lord of Autumn—ID	X	.75	.50
5	Dr. Helmut Spat—St.C	X	.35		11	Lynn Fontanne—ID or S-C	X		3.00
12	Duchess—ID	X	.50	.50	10	Maestro—ID or S-C	X	3.00	1.00
5	Dulcinea—St.C	X	.50	.35 .50	9	Maffie—S-C	X	4.00	1.50
18	Dwight W. Morrow—ID	X-Y	.75	.50	15	Maid Marion—ID	X		2.50
	Eagle Rock Fantasy—ID	X		.50	19	Man O'War—ID	X	.50	.50
9	Edna Ferber—S-C	X	.50		18	Margaret W. Wilson—ID	X	.35	
30	Elite Glory—FD	X	.35		17	Margrace—ID	X	.50	.50
5	Ella May—C	X	.35		5	Marietta E.—St.C	X	1.00	.50
8	Enkart Prima—S-C	X	1.00	.75 .50		Marion Smith—ID	X		2.50
11	Eva Hunt—ID	X	.50		8	Marjorie Spencer—S-C	X		2.50
8	Evelyn Chandler—S-C	X	3.00	1.00	27	Mary Ellen—FD	X-Z	.50	
14	Eventide—ID	X	2.00	.75	28	Maryland Glory—FD	X	.35	
7	Figaro—S-C	X	2.00	.75	9	Mary Lynn Dudley—S-C	X	5.00	1.50
31	Fire Ball—FD	X	.50		9	Mary Retzer—S-C	X	.50	
6	Flash—IC or S-C	X		1.00	6	Mary Taylor—IC	X	2.00	1.35 .75
14	Forest Fire—ID	X	.50			Mascotte—IC	X	.50	
13	Fort Monmouth—ID	X	.50			Mayor Frank Otis—ID	X	2.00	1.35 .75
28	Francis Larocca—FD	X	.25		11	Megan Callaghan—ID	X	2.00	.75
5	Frau Ida Mansfield—St.C	X	.50	.50	8	Michigan Radiance—S-C	X	3.00	1.00
7	Frau O. Bracht—S-C or C	X	.75	.50	11	Michigan White—ID	X	1.00	.75 .50
15	Freckles—ID	X	.75	.50	18	Mid-West Champion—ID	X	.50	
15	Freda George—ID	X	.75	.50	15	Milton J. Cross—ID	X	.50	
14	Ginger Rogers—ID	X		2.50	17	Minnora—ID	X-Z	.35	
18	Girl of Hillcrest—ID	X	.35			Miriam Hopkins—S-C or ID	X	.75	
					5	Miss Belgium—St.C	X	.50	.35

INDEX—Continued

Page		Roots	Pot Roots	Plants	Page		Roots	Pot Roots	Plants
10	Miss Elsie Jane—S-C	X	.50	...		Thunderbolt—IC	X	...	1.00
12	Miss Englewood—ID	X	.75	.50	3	Top Flight—S-C	X	...	5.00
8	Miss Glory—S-C	X	.50	.50	9	Treasure Chest—S-C	W-X	.50	...
29	Miss Oakland—FD	X	.50	.50	31	Treasure Island—FD	X-Y	.50	...
6	Miss Ohio—IC	X	.50	.50	7	Tropic Star—S-C	X	.75	.50
6	Miss Wahroonga—IC	X	3.00	1.00	29	Victory—FD	X	3.00	2.00 1.00
6	Mme. C. Jussiant—IC	X	.75	.50	10	Virginia Rute—ID or S-C	X	2.00	1.35 .75
6	Mme. George Pezant—IC	X	.50	.50	16	Virginia Shipley—ID	X	2.00	.75
9	Model 999—S-C	X	1.00	.75	28	Volcano—FD	X	1.00	.50
3	Mollie B.—ID	X	...	5.00	17	Watchung Giant—ID	X	.75	.50
28	Monarch of the East—FD	X	.75	.50	C	Whirlaway—ID	X	10.00	3.50
	Monmouth Champion—FD	X	.35	...	15	White Abundance—ID	X	.50	...
	Moonbia—S-C	X	3.00	1.00	16	White Duchess—ID	Y	.35	...
C	Mother Maytrott—ID	X	1.50	1.00 .50	27	White Prolific—FD	W-X	.25	...
16	Mother's Day—ID	X	3.00	2.00 1.00	15	White Winner—ID	X	5.00	3.35 1.50
	Mrs. Bradley Geist—FD	X	...	1.00	14	White Wonder—ID	X	.35	...
	Mrs. Bruce Collins—St. C.	X-Y	.50	...		W. H. T.—FD	X	.35	...
19	Mrs. George LeBoutillier—ID	X	.50	...		Windsor Colonel—ID	X	1.50	1.00 .50
5	Mrs. Herbert O'Conor—St. C.	X	.50	...	2	Winter Morn—St. C.	X	7.50	5.00 2.50
28	Mrs. I. de Ver Warner—FD	X	.25	...	28	Wotana—FD	X	2.00	1.35 .75
29	Mrs. James Albin—FD	X	1.50	.50	7	Yellow Giant—IC	X	2.00	1.35 .75
	Mrs. Wm. S. Knudsen—ID	Z	.75	.50	10	Yellow Glory—S-C	X-Z	3.00	2.00 1.00
18	Murphy's Masterpiece—ID	X	.75	.50	9	Your Lucky Star—S-C	X	1.00	.75 .50
14	Myra Howard—ID	X	.50	...	7	Zuiwn—S-C or St. C.	X	.50	...
14	Nagels' Giant—ID	X	.75	...					
5	Nagels' Orange—St. C.	X	.50	.50		MINIATURE DAHLIAS			
6	Nancy Ann Mitchell—IC	X	3.00	2.00 1.00	37	Andries' Orange—M S-C	V	.50	.50
	Nancy Gene—ID	X	1.00	...	36	Baby Royal—M P or M S-C	V	.25	...
13	Noell Marvin—ID	X	5.00	1.50	39	Baby Sagamore—M FD	V	.50	.50
16	Norma Morton—ID	X	2.00	1.35 .75	37	Betsy T.—M St. C.	V	2.00	1.35 .75
27	Oakland Beauty—FD	X	2.00	1.35 .75	36	Bishop of Landaff—M P	V	.35	...
29	Oakleigh Monarch—FD	X	.50	...	39	Bluebird—M FD	V	.35	...
29	Omar Khayyam—FD	X	.35	...	39	Buckeye Baby—M FD	V	.35	...
12	Opal—ID	X	.50	.50	38	Cinnamon Gem—M ID	V	1.00	.75 .50
3	Orange Princess—C.	X	...	3.50	37	Dahlidel Joy—M C	V	.50	...
	Pacific—S-C or ID	X	...	1.25	37	Dianne—M S-C	V	1.00	.50
	Palo Alto—ID or S-C	X	.50	...	37	Dubonnet—M S-C	V	.50	...
8	Paul Pfitzer—S-C	X	...	.50	39	Fairy—M FD	V	.35	...
15	Peace—ID	X	.75	.50	38	Forest Fire, Jr.—M ID	V	.50	...
2	Peach Dawn—S-C	X	10.00	3.50	39	Happy—M FD	V	.50	...
10	Peppermint Candy—ID	X	.50	.50		Helly Boudewijn—M FD	V	.50	...
30	Phantom—FD	X	.50	.50	38	Jeanie—M ID	V	1.50	.50
2	Pink Elephant—ID	X	10.00	6.75 3.50	39	Joyce Ann—M FD	V	.35	...
13	Pink Giant—ID	X	2.00	1.35 .75	37	Judy—M FD	V	1.00	.50
2	Pink Profusion—FD	X	10.00	6.75 3.50	37	Julia S.—M C.	V	.50	...
13	Pink Josephine—ID	X	...	.75	37	Lakeside Babe—M FD	V	.50	.50
29	Pius XI—FD	X	.50	...	37	Little Diamond—M S-C	V	1.00	.75 .50
	Prachtkerl—S-C	X	.50	...	37	Little Miss Prim—M St. C.	V	1.00	.50
15	Premier's Majestic—ID	X	1.00	...	39	Little Nemo—M FD	V	.50	...
13	Premier's Winsome—ID	X	1.50	1.00 .75	4	Little Susan—M FD	V	3.00	1.00
9	Pride of America—S-C	X	.50	...		Margaret Wilkinson—M S-C	V	2.00	.75
18	Pride of Austinburg—ID	X	.50	.50	37	Market Jewel—M S-C	V	.50	...
11	Producer—ID	X	3.00	2.00 1.00	39	McKay's Purity—M FD	V	.35	...
13	Progress—ID	X	3.00	1.00	39	Miss Innocence—M FD	V	2.00	1.35 .75
27	Purple Mist—FD	X	.75	.50	38	Muriel Joyce—M S-C	V	2.00	.75
	Queen City—FD	X	.35	...	38	Nesthakchen—M S-C	V	.35	...
	Ray Warner—ID	W-X	.75	.50	38	Niome—M ID	V	.50	...
6	Rebellion—IC	X	...	1.00	36	Olympic Fire—M P	V	.50	.50
8	Red Jug—S-C	X	.50	...	39	Orchid Lady—M FD	V	.35	...
	Red Legion—ID	X	...	3.50	39	Pee Wee—M FD	V	2.00	1.35 .75
28	Red Salute—FD	X	.50	.50		Peggy Lindley—M FD	V	2.00	1.35 .75
7	Red Spider—IC	X	.50	...	38	Petit Prince—M S-C	V	1.00	.75 .50
17	Rita Wells—ID	X	3.00	2.00 1.00	38	Petit Sonne—M S-C	V	.50	...
19	Robert Emmet—ID	X	.35	...	36	Pink Daisy—M P	V	.50	...
15	Robert L. Ripley—ID	X	1.50	1.00 .50	36	Pink Lassie—M P	V	.75	.50
15	Rose Marie—ID	X	...	5.00	39	Purp—M FD	V	1.00	.75
31	Rosemary—FD	X	.50	...	38	Raleigh—M ID	V	.35	...
12	Rosy Morn—ID	X	1.50	1.00	38	Rapture—M ID	V	.35	...
10	Roulette—S-C	X	1.50	.50	38	Red Cap, Jr.—M S-C	V	.35	...
16	Royal Pennant—ID	X	.75	.50	36	Red Eye—M P	V	2.00	1.35 .75
7	Royal Purchase—IC	X	.50	...	39	Red Head—M FD	V	.35	...
19	Rudolf's Giant—ID	X	1.50	1.00 .50	40	Red Robin—M FD	V	1.00	.50
	Rudy Vallee—S-C	X	.50	...	40	Rose Beauty—M FD	V	.35	...
29	Ruth Nichols—FD	X	...	2.00	38	Sanhican's Sweetheart—M S-C	V	.35	...
	Saarland's Heimkehr—St. C.	X	.50	.50	38	Sarah—M S-C	V	...	.75
	Salmon Giant—S-C	X	.50	...	38	Snowsprite—M S-C	V	.50	...
17	San Francisco—ID	X	1.50	.50	40	Sylvia—M FD	V	.50	...
27	Sanhican's Cameo—FD	X	.35	...	40	Tangerine—M FD	V	.35	...
	Satan—S-C	X	.50	...	37	Tip—M S-C	V	1.00	.75 .50
	Sheldon's Louise—ID	X	.75	...		Trojan—M S-C	V	.35	...
16	Silver Lady—ID	X	2.00	1.35 .75	4	White Fawn—M FD	V	...	1.50
6	Snowcrest—IC	X	4.00	2.75 1.50					
7	Son of Satan—IC or S-C	X	1.00	.75 .50	34	ANEMONE DAHLIAS			
9	Star of Bethlehem—S-C or ID	X	.50	...	32	BALL DAHLIAS			
3	Stephen Foster—IC	X	...	10.00	34	COLLARETTE DAHLIAS			
27	Sultan of Hillcrest—FD	X	.50	...	33	DWARF DAHLIAS			
18	Sunrays—ID	X	1.50	1.00 .50	34-35	ORCHID FLOWERING DAHLIAS			
	Tarzan—ID	Z	.50	...	40-41	POMPIDON DAHLIAS			
11	Television—ID	X	1.00	.50	35-36	SINGLE DAHLIAS			
	The Commodore—ID	Y	.35	...	44-45	DAHLIADEL COLLECTIONS			
11	The Fireman—ID	X	.35	...	43	CHRYSANTHEMUMS			
31	The Governor—FD	X	2.00	1.35 .75	44	FORMOSANUM (Philippinense) LILIES			
5	The Ohioan—St. C.	X	.75	.50					
3	The Shining One—ID	X	...	3.50					
18	The Universe—ID	X	.50	...					
30	The World—FD	W-X	.35	...					
27	Thomas A. Edison—FD	Y	.50	...					





HY-GRADE HOSE GUN (Chrome finish) as illustrated. Substantially made for long service with "Clearview" cartridge chamber Full directions. Complete, except cartridges, postpaid for \$4.00

METAL CARTRIDGE CHAMBER AND COUPLING to use two cartridges (double strength spray) postpaid \$1.65

COLLOIDAL CARTRIDGES to use in Hoze Gun. Send for Folder describing 12 cartridges.

NICOLOID for thrips, red spider, etc.
ROTOLOID Colloidal Rotenone. Each 35c
ARSENOLOID Colloidal Lead Arsenate.
BORDOLOID Colloidal Copper Sulphate.
SULFOLOID Colloidal Sulphur. Each 30c

DAHLIA GROWERS' SUPPLIES

All prices on Dahlia Growers' Supplies are subject to change without notice.

DAHLIADEL PLANT FOOD—Made especially for dahlias, of the highest grade materials, for the production of fine flowers and strong roots, to supply a balanced food available as needed by the plant. Economical and good for all outdoor flowers and vegetables.

Directions: Spring application, 3 to 6 lbs. to each 100 square feet. August application, 3 to 4 lbs. This may be divided into three applications, but not over 10 lbs. to ten hills should be applied during a season.

Registered in New Jersey only, shipments into other states prohibited except in small parcel post shipments at the same prices as Potash.

Prices, F.O.B. factory in Philadelphia, 50 lbs., \$2.50; 100 lbs., \$4.50; 200 lbs., \$8.00; ton, \$70.00.

POTASH (Muriate) or POTASH (Sulphate). To use in making up your own mixture. 4 lbs. postpaid including 4th zone 55c; add 10c for each zone beyond 4th. 8 lbs. for \$1.00 postpaid, 4th zone; add 20c for each zone beyond 4th.

DAHLIADEL DIP. A mixture of Sulphur and Gypsum for dipping cut portions of dahlia roots when dividing. 1½ lbs. for 30c; 4½ lbs. for 55c, postpaid 4th zone; add 5c or 10c respectively for each zone beyond 4th.

PYRETHRUM SOAP. A non-poisonous insecticide effective on most insect life and not injurious to animals or plants. Will not burn foliage or buds. A desirable spray for aphids and for thrips and leafhoppers when used with Black Leaf Forty. Four ounces make 4 to 5 gallons of spray. Postpaid, including the 4th zone, 4 oz., 55c; 8 oz., 95c; quart, \$2.25; gal., \$8.00.

BLACK LEAF FORTY (Nicotine Sulphate). A concentrated solution for aphids, thrips, leafhoppers and red spider. Oz., 40c; 5 ozs., \$1.10; lb., \$2.50. Postpaid.

RED ARROW GARDEN SPRAY. An effective non-poisonous solution that is deadly to all insects. Recommended to check cucumber beetles, thrips, aphids, leaf-hoppers, aster beetles, root lice, white flies, etc. 1 oz. glass, 40c; 4 oz. glass, \$1.10; 1 pint, \$2.85; qt., \$5.00. Postpaid, including 4th zone.

CORN BORER DUST (Korn-Bor Dust) made according to recommendations of Experiment Stations for the control of European Corn Borers. Four to five applications should be made at five to six day intervals, starting at the time of the first eggs' hatching. Five pounds should take care of 100 to 150 dahlia bushes for four applications (size of bush will vary amount needed). Directions with each package. 5 lbs., postpaid, including 4th zone, \$1.25; add 10¢ for each zone beyond 4th; 100 lbs., express collect, \$15.00.

NIAGARA "TWO-QUART" DUSTER as illustrated. A practical all-around duster for general garden use. Long enough to dust the undersides of lower leaves without stooping. Straight and curved nozzles. Capacity about two quarts. Price \$2.85, postpaid, including 4th zone, add 10¢ for each zone beyond 4th.

NIAGARA "ONE-QUART" DUSTER is the same as above without handle on body. Capacity about one quart. Price \$1.50, postpaid, including 4th zone. Add 5¢ for each zone beyond 4th.

WOOD TREE LABELS. 5/8 x 3½" copper wired. Painted—55c per 100, \$3.35 per 1000. Plain (not painted)—45c per 100; \$2.80 per 1000; postpaid, including 4th zone.

WOOD PLANT LABELS. 5/8 x 10". Painted—85c per 100; \$1.70 per 250; \$6.50 per 1000. Plain (not painted)—75c per 100; \$1.50 per 250; \$5.50 per 1000. Postpaid.

MARKER PENCILS (Mechanical). Discontinued.

EBERHARD FABER REFORM PENCIL. Enamel finish with pocket clip. A chuck type mechanical pencil for marking paint or wooden surfaces such as tree and plant labels for dahlias. Lead is very heavy and weatherproof.

Pencil with additional box of 4 leads 25
 Additional leads, 4 in tube (black) 10

CYPRESS STAKES. 1" square, 4 ft. long. Suitable for supporting dahlias of medium growth. Bundle of 25, \$1.50; per 100, \$5.00. F.O.B. Vineland.

CYPRESS STAKES. 1¼" square, 6 ft. long. Suitable for gardens where dahlias grow tall. Bundle of 25, \$3.00; per 100, \$10.00; F.O.B. Vineland. Five foot stakes can be supplied at 10 per cent less than above price. A limited supply of 1¼" sq. 5 ft white cedar stakes lighter than cypress but tough at same price as cypress.

SPECIAL DAHLIA PRUNER KNIFE. An inexpensive knife with a good blade suitable for dividing roots, pruning, and cutting blooms. Comes in Hook or Spear blade. Hook blade is the more popular, and will be shipped unless otherwise specified. Postpaid, 30c; 2 for 50c.

MODERN DAHLIA CULTURE—By W. H. Waite. Written to meet the needs of the novice and to interest the expert. 126 pages of clear type, well illustrated. Cloth binding. \$1.50 postpaid.

LOOSE LEAF FLEXIBLE BINDER with 100 A.D.S. Trial Ground Score Sheets. Sheet size 6½ x 4 in., suitable for making complete record of variety. Postpaid, \$1.00.

TRIAL GROUND SCORE SHEETS	
100 sheets	\$.50
250 sheets	1.00

DAHLIADEL SCORE SHEETS, same as A.D.S. in price and scoring table but with tabulation for 5 years garden records. Sample sheets on request.



DAHLIADEL NICOTINE DUST (3% nicotine). We can ship only in New Jersey due to Federal restrictions. 4½ lbs., \$1.35; 10 lbs., \$2.60; 25 lbs., \$5.75; by express, collect. By P. P. Prepaid, 4½ lbs., \$1.50.

FORMAL DECORATIVE

DEMOLAY (Dahliadel 85A), 1941, Bloom 9 x 5, Bush 4½ ft. Winner of the Derrill W. Hart Memorial Medal in Gold for the good performance of this dahlia in 3 official trial grounds. Demolay scored 85 at W. Va. in 1939, 85 at Storrs and 82 at East Lansing in 1940 for an average score of 84 in the various parts of the country. A velvety crimson with heavy, dark green foliage. The color is exceptionally bright and attractive. While a Formal flower, it never appears stiff and the flowers are held in a stately manner on long, strong stems. The bush is most sturdy in keeping with the flower, and very easy to grow. DeMolay will rapidly gain the foremost rank in the Formal Class, and prove a most welcome addition in the gardens of dahlia lovers. We feel confident it will prove entirely satisfactory. The outstanding feature of this variety is a lustrous sheen to the velvety red, making it glisten under sun and artificial light. Centers are full to frost.

Root, \$5.00; Pot Root, \$3.35; Plant, \$2.00.



DEMOLAY

DAHLIADEL UNDEFEATED 1941 DISPLAY won the A.D.S. Gold Medal Supreme Award and the A.D.S. Silver Medal in New York. This exhibit, which we believe the finest we have ever staged, won a First in Baltimore and a First in Washington, D. C.





MOTHER MAYTROT (Informal Decorative)

MOTHER MAYTROT (Berwick-Dahliadel 86A), Bloom 11 x 7, Bush 4½ ft. This pure white dahlia, of artistic form, was the first of our introductions to be given our family name. It has been grown and shown all over the United States, and in Australia is rated the best American white. The stems are perfect and the foliage dark and insect-resistant. Blooms arrange easily and have excellent keeping qualities. It won a Certificate at Storrs, O.V.D.A. and an Award of Honor at Georgia. Has had an imposing array of winnings to its credit throughout the country. While a poor root maker, it is indeed a worthwhile acquisition when properly grown. Any added cultural effort pays good dividends.

Root, \$1.50; Pot Root, \$1.00; Plant, .50